

The BIS testing charges for IS 5022:1989 effective from 16-05-2018

BIS NROL MOHALI

Our Ref: NROL/Mech/5022

20 SEPT 2017

DRAFT PROPOSAL FOR TESTING CHARGES FOR SURGICAL INSTRUMENTS (TABLE MODEL) AS PER IS 5022:1989

| Sl.No. | Characteristics | Clause No. | Man-hours | Electricity power consumed | | Cost of consumables including reference material wherever applicable | Total charges for each test |
|--------|---|------------|---|----------------------------|------------|--|-----------------------------|
| | | | | Kwh | Cost @ 9/- | | |
| | | | @ 300/- | | | | |
| | A. TEST PARAMETERS | | | | | | |
| 1. | MATERIAL | 3 | As per respective ISS as detailed in cl 3.1 | | | | |
| 2. | DESIGN | 4 | 0.5 | - | - | - | 150.00 |
| 3. | DIMENSIONS | 5 | 1.0 | | | | 300.00 |
| 4. | CONSTRUCTION | 6 | 3.0 | - | - | - | 900.00 |
| 5. | FUNCTIONAL REQUIREMENTS | 7 | 1.0 | | | | 300.00 |
| 6. | METHOD OF OPERATION OF STERLIZER | 8 | | | | | |
| a. | Electric Operation | 8.2 | | | | | |
| | <i>Heating Element</i> | 8.2.3 | As per respective ISS | | | | |
| | <i>Thermostat</i> | 8.2.4 | Facility not available | | | | |
| b. | Gas Operation | 8.3 | 0.5 | | | | 150.00 |
| c. | Kerosene Operation | 8.4 | Facility not available for kerosene operation | | | | |
| 7. | FINISH | 9.1 | 0.5 | | | | 150.00 |
| | | 9.2 | As per respective ISS | | | | |
| | PREPARATION OF TEST REPORT | | 1.5 | - | - | - | 450.00 |
| | TOTAL | | 8.0 | | | | 2400.00 |

Testing charges per man-hour are Rs.300.00. Hence testing charges for the product are:

Total Rs. $8.0 \times 300 =$ Rs. 2400.00 Plus as per respective ISS (excluding thermostat and kerosene operation)

(Gurmukh Singh)
LO-B

OIC (M)
HNROL
HLPPD

As decided by Competent Authority, the testing charges for the product are Rs. 1350/- + charges as per respective ISS (excluding thermostat and kerosene operation)

**(Ankita Tripathi)
Sc.B, LPPD**

HLPPD

DDG (Labs)

The revised BIS testing charges for IS 5029:1979 effective from 22-08-2017

**BIS CENTRAL LABORATORY, SAHIBABAD
[CHEMICAL DEPARTMENT]**

Testing Charges for IS – 5029:1979, Amnd no. – 3
SPECIFICATION FOR BEDSTEADS, HOSPITAL, GENERAL PURPOSES

| SI.No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of Consumable including reference material wherever applicable |
|--------|-----------------|------------|---------------------|--------------------------------|---|
| 1. | Material | 2 | As per relevant ISS | | |

Remarks: Testing charges for the material shall be levied as per relevant ISS referred.

CA may kindly approve.

**Praveen Kumar
T. A.**

Sc –B (Chem)

OIC (Chem)

OIC (QA)

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref: CL/QA/14

22 May 2017

TESTING CHARGES FOR BEDSTEADS, HOSPITAL, GENERAL PURPOSES AS PER IS 5029:1979
(Amnd-nil)

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material wherever applicable |
|---------|-----------------|------------|-----------|--------------------------------|--|
| A. | TEST PARAMETERS | | | | |

| | | | |
|----|-----------------------------------|------|------|
| 1. | Shape & Dimensions | 3 | 7 |
| 2. | Manufacturer | 4 | 10 |
| 3. | Finish | 5 | 4 |
| 4. | Tests | 6 | |
| | a) Impact test | 6.1 | 5 |
| | b) Mattress | 6.2 | 6 |
| | c) Requirements as per IS 4033:68 | 6.3 | 5 |
| B. | Electricity power consumed | | - |
| C. | Cost of Consumables/CRMs | | - |
| D. | PREPARATION OF TEST REPORT | | 1 |
| | TOTAL | TIME | 38 h |

Testing charges per man-hour are Rs.300.00. Hence complete testing charges for the products are:

Total Rs. 300 x 38 = Rs.11400.00

Om Prakash
(LO-A)

OIC(Mech)

OIC(QA)

Head (CL)

As decided by CA, testing charges are Rs. 11400/- and material testing charges as per relevant referred ISs. [Capped at double of the pre-revised testing charges (3225x2 = 6450)]

Tripathi)

(Ankita

Sc.B, LPPD

Head, LPPD

DDGL

Please Refer to Revised Testing Charges mentioned above
BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref:CL/QA/79

7 June 2006

TESTING CHARGES FOR BEDSTEADS, HOSPITAL, GENERAL PURPOSES AS PER IS 5029:1979

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- ever applicable |
|---------|-----------------------------------|------------|-----------|--------------------------------------|--|
| A. | TEST PARAMETERS | | | | |
| 1. | Shape & Dimensions | 3 | 7 | | |
| 2. | Manufacturer | 4 | 10 | | |
| 3. | Finish | 5 | 4 | | |
| 4. | Tests | 6 | | | |
| | a) Impact test | 6.1 | 5 | | |
| | b) Mattress | 6.2 | 6 | | |
| | c) Requirements as per IS 4033:68 | 6.3 | 5 | | |
| 5. | Material | 2 | 5 | | |
| B. | Electricity power consumed | | | - | |
| C. | Cost of Consumables/CRMs | | | | - |
| D. | PREPARATION OF TEST REPORT | | | 1 | |
| | TOTAL | TIME | 43 h | | |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the products is:

Total Rs. 75 x 43 = Rs.3225.00

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(K.S. Arya)
STA(QA)

D&H(QA)
DDGL

OUR REF : LAB/14:0

1986 04 17

TESTING CHARGES FOR IS 5030(PART-III):1982 METAL CUTTING BANDSAW
 BLADES PART-III:DIMENSIONS AND REQUIREMENTS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|---|--|-----------|
| 1. | Dimensions & Marking | 3 & 11 | 1½ |
| 2. | Material | 4 | |
| | a) Carbon steel hard edge,flexible back, bandsaw blades | As per IS 7226:1974 (for grade designations 120Cr35 or 110Cr35,W2) | |
| | b) Carbon steel hard edge,tampered back, bandsaw blades | | -do- |
| | c) Intermediate steel bandsaw blades | | -do- |
| | d) Highspeed steel, bandsaw blades | As per IS 7291:1974 (for grade designations TB3 W6 MO5 Cr4 V2) | |
| | e) Composite steel bandsaw blades | | |
| | i) Cutting edge | | -do- |
| | ii) Body | As per IS 7226:1974 (for grade designation 120Cr35 or 110cr35W2) | |
| | f) Friction cutting bandsaw blades | Requirements not specified | |
| 3. | Hardness | 5 | |
| | Tooth edge hardness | | 1 |
| | Body edge hardness | | 1 |
| 4. | General requirements | 6 | ½ |
| 5. | Workmanship & Finish | 8 | ½ |
| 6. | Flexibility Test | 12.1 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 6 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product : Rs.450.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 07 30

TESTING CHARGES FOR IS 5058:1969, SODIUM CITRATE, FOOD GRADE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|--|---------------------|-----------|
| 1. | Description | 2.1 | ½ |
| 2. | Stability | 2.2 | 1 |
| 3. | Identification Tests | 2.3 | |
| | a) Test for sodium | 2.3.1.1 | ½ |
| | b) Test for Citrate | 2.3.1.2 | 1 |
| 4. | Oxalate | 2.4 | 2 |
| 5. | Readily Carbonizable substances | 2.5 | 2 |
| 6. | Purity (as C ₆ H ₅ Na ₃ - O7) on dry basis, percent by weight, max. | 2.6 & i) of table 1 | 2 |
| 7. | Moisture | ii) " | 1 |
| 8. | Alkalinity | iii) " | ½ |
| 9. | Arsenic (as As) (on dry basis) mg/kg, max. | iv) " | 2 |
| 10. | Lead (as Pb), on dry basis, mg/ kg, max. | v) " | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 15 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product : Rs.1125.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1989 02 06

TESTING CHARGES FOR IS 5077:1969 DECORATIVE LIGHTING OUTFITS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|----------------------------|-------------|-----------|
| 1. | Construction | 3 | 1 |
| 2. | Marking | 4 | ½ |
| 3. | Insulation resistance | 5.1.1 (a) | ½ |
| 4. | High voltage | 5.1.1 (b) | ½ |
| 5. | Humidity test | 5.1.1 (c) | 2 |
| 6. | Cord anchorage test | 5.1.1 (d) | ½ |
| 7. | Heating test | 5.1.1 (e) | 2 |
| 8. | Mechanical strength | 5.1.1 (f) | ½ |
| 9. | Accelerated ageing | 5.1.1 (g) | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 10 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product : Rs.750.00

NOTE :-The above charges pertain to the sample size of one lighting outfit.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY
(Q.A. Department)

TESTING CHARGES FOR IS 5086:1993 STENCIL PAPER

| SL. NO | CHARACTERISTICS | CLAUSE NO. | MAN-HOUR |
|----------------------------------|-------------------------------|-------------|----------|
| 1. | Material | 4.2 | 0.5 |
| 2. | Elongation & Tensile Strength | 4.3 & 4.4 | 3.5 |
| 3. | Burst factor | 4.5 | 1 |
| 4. | Mass of coating | 4.6 | 1.5 |
| 5. | Cut-outs & filling | 4.7 | 0.5 |
| 6. | Use with stylus | 4.8 | 0.5 |
| 7. | Performance | 4.9 | 4 |
| 8. | Legibility of type | 4.10 | 0.5 |
| 9. | Moisture resistance | 4.11 | 0.5 |
| 10. | Keeping quality | 4.12 | 1 |
| 11. | Interleaving sheet | 4.14 | 0.5 |
| 12. | Size & scales | 4.15 & 4.16 | 1 |
| 13. | Backing sheet | 4.13 | * |
| PREPARATION OF TET REPORT | | | 0.5 |
| TOTAL TIME | | | 16 |

Testing charges per man-hour are Rs.75.00

Hence complete testing charges for the product are Rs.1200.00

*Backing sheet shall be tested as per IS 3302:1986 and charges levied are Rs.525.00.

DDGL may kindly approve.

(V.K. Sethi)
TS (QA)

The BIS testing charges for IS 5135(P-1):1994 effective from 12-02-2018

BUREAU OF INDIAN STANDARDS
WRO LABORATORY, Mumbai

Our Ref.: WROL/TC/Mechanical / IS 5135(pt-1)

27 Nov 2017

Testing Charges for Hand-Rotary Duster (Belly-Mounted Type) as per IS 5135 (PART-1) :1994 including Amendment No. 2

| S No | Tests | Clause Reference | Man Hours |
|----------|----------------------------|------------------|-------------|
| A | MECHANICAL TESTS | | |
| 1. | Materials | C1.4 | 1.0 |
| 2. | Constructional requirement | C1.5 | 5.0 |
| 3. | Capacity | C1.6 | 2.0 |
| 4. | Performance requirement | C1.7 | 6.5 |
| 5. | Workmanship and finish | C1.8 | 1.0 |
| 6. | Marking | C1.9 | 0.5 |
| | | | |
| 7. | Preparation Of Test Report | | 1.0 |
| | | | |
| | Total Man Hours | | 17.0 |

| | | | |
|---|---|--------|--------------------|
| Cost of Consumables (Talc powder) | : | | Rs. 2500.00 |
| Electric Power Consumed (@ Rs. 15.00 per unit)* | : | | Nil |
| Testing Charges as per man hours (@ Rs. 300.00 per man hour) | : | 17 hrs | RS. 5100.00 |
| Total Testing Charges | : | | Rs. 7600.00 |
| *(As per existing Electricity charges) | | | |

A.R. Shaikh
(LO-B Mech)

OIC (Mech. Lab)

Head WROL

Head LPPD

DDGL

As decided by Competent Authority, the testing charges for the product are Rs 7600/-

**(Ankita Tripathi)
Sc.B, LPPD**

HLPPD

DDG (Labs)

The revised BIS testing charges for IS 5143:1988 effective from 15-04-2016

LABORATORY POLICY AND PLLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS 5143:1988 ADJUSTABLE AXILLARY CRUTCHES

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--------------------------------|-------------------------|-----------|
| 1. | Material | | |
| | a) Wood, Aluminium, mild steel | 2.1, 2.2 , 2.3 | 1 |
| | b) Leather cloth | 2.4 As per IS 1259:1984 | |
| | c) Foam Rubber | 2.5 As per IS 1741:1960 | |
| 2. | Shape & dimensions | 3 | 2 |
| 3. | Workmanship & finish | 4 | |
| | a) General | | 1 |
| | b) Plating (for steel) | As per IS 1068:1985 | |
| | c) Anodisting (for alum.) | As per IS 1868:1982 | |
| 4. | Tests | 5 | |
| | a) Strength test | 5.1 | 2 |
| | b) Drop test | 5.2 | 1 |
| 5. | Marking & Packing | 6 & 7 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |
| | | TOTAL TIME : | 8 |

Testing charges per man-hour are Rs. 300.00.

Hence testing charges for the product : **Rs.2400.00** excluding for leather cloth, Foam rubber, plating (for steal) & Anodizing (forAluminum).

DDGL may kindly approve.

Anurita Jojo
Sc C,LPPD

Head (LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1993 04 16

TESTING CHARGES FOR IS 5143:1988 ADJUSTABLE AXILLARY CRUTCHEs

| S NO | TESTS | CLAUSe REF. | MAN-HOURS |
|--------------|-----------------------------------|----------------|---------------------|
| 1. | Material | | |
| | a) Wood, Aluminium, mild steel | 2.1, 2.2 , 2.3 | 1 |
| | b) Leather cloth | 2.4 | As per IS 1259:1984 |
| | c) Foam Rubber | 2.5 | As per IS 1741:1960 |
| 2. | Shape & dimensions | 3 | 2 |
| 3. | Workmanship & finish | 4 | |
| | a) General | | 1 |
| | b) Plating (for steel) | | As per IS 1068:1985 |
| | c) Anodisting (for alum.) | | As per IS 1868:1982 |
| 4. | Tests | 5 | |
| | a) Strength test | 5.1 | 2 |
| | b) Drop test | 5.2 | 1 |
| 5. | Marking & Packing | 6 & 7 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 8 |

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product : Rs.600.00 excluding for leather cloth, Foam rubber, plating (for steal) & Anodizing (for

Aluminum) .

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1993 04 16

TESTING CHARGES FOR IS 5145:1969 WALKING STICKS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|---|-------------|---------------------|
| 1. | Material | | |
| | a) Wood | 2.1 & 2.2 | 1 |
| | b) Aluminium | 2.3 | As per IS 1285:1968 |
| 2. | Shape & dimensions | 3 | 2 |
| 3. | Manufacture & workmanship and finish | 4 & 5 | 1 |
| 4. | Strength test | 6 | 2 |
| 5. | Marking & Packing | 7 & 8 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 7 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are :
Rs.525.00 □
excluding for Aluminium under 'Material'.

APPROVED BY THE COMPETENT AUTHORITY.

The BIS testing charges for IS 5168:2018 effective from 04-09-2018

BUREAU OF INDIAN STANDARDS

WRO Laboratory.

Our Ref : WROL/TC/**Chemical/IS 5168**

13August 2018

Subject : Revised Testing Charges For **IS 5168: 2018 Glass Feeding Bottles**

| S No | Tests | Clause Reference | Man Hours |
|-------------|---------------------------------------|-------------------------|------------------|
| 1 | Material | 5.1.2 | 1.0 |
| 2. | Description | 5.2 | 1.0 |
| 3. | Brimful Capacity | 5.3 | 1.0 |
| 4 | Type, Dimension and Wall thickness | 5.4 | 1.0 |
| 5 | Scale and graduation | 5.5 a | 1.0 |
| 6 | Permanency of pigment | 5.5 b | 1.5 |
| 7 | Limit of alkalinity | 5.6 | |
| | Sample preparation | | 1.0 |
| | Alkalinity | | 1.0 |
| 8 | Thermal shock resistance | 5.7.7 | 1.0 |
| 9 | Migration of Heavy and Toxic elements | 5.8 | |
| | Sample preparation | | 1.0 |
| | Sb,As,Cr,Hg,Cd,Pb,Ba,Se | | 6.5 |
| 10 | Preparation Of Test Report | | 0.5 |
| | Total Time (Rounded Off) | | 18.0 |

Electricity consumed (9 Hr x 3 kwh x Rs. 15.00) : 405.00

Cost of Consumables : 300.00

Testing Charges per Man-Hour are : 300.00

Hence Complete Testing Charges for the product are : $(18.0 \times 300) + 405 + 300 = 6105.00$

Rounded off to 6100.00

Submitted for approval please.

(Rajeshri Nagvekar)
Laboratory Officer

OIC (Chem) – Testing Charges may please be approved.

HWROL
HLPPD

The revised BIS testing charges for IS 5175:2014 effective from 22-08-2017

BIS CENTRAL LABORATORY, SAHIBABAD
[Mechanical Laboratory]

OUR REF : CL/Mech./IS 5175:2014

12.06.2017

TESTING CHARGES FOR IS 5175:2014 Fibre Ropes (PP2) and (PP2)-3-,4-,8 and 12- Strand ropes

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|-------------|---|---------------------------|-----------|
| 1. | Designation | 4 | 1 |
| 2. | General Requirements Construction, Manufacture, Lay etc | 5 5.2 As per ISO 9554* | |
| 3. | Physical Properties | 6, (Table 1,2 & 3) | |
| a) | Linear Density | | 2 |
| b) | Breaking Force | | 4 |
| 4. | PREPARATION OF TEST REPORT | | 1 |
| TOTAL TIME: | | | 8 |

Testing charges per man-hour are Rs. 300.00.

Hence complete testing charges for the product are Rs.2400/-

* Construction Manufacture, Lay shall be tested as ISO 9554 and testing charges shall be levied accordingly.

(Hare Ram)
Lo-A (Mech.)

OIC, Mech.

OIC, QA

Head, CL

As decided by CA, testing charges are Rs. 2400/- and testing charges as per relevant referred ISs

(Ankita Tripathi)
Sc.B, LPPD

**Head, LPPD
DDGL**

The revised BIS testing charges for IS 5191:1993 effective from 15-05-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

**TESTING CHARGES FOR IS 5191:1993 THE ANALYSIS OF SODIUM ALGINATE
FOOD GRADE.**

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|-----------------------------------|----------------------|-----------|
| 1. | Description | 3.1 | ½ |
| 2. | Identification | 3.2 | 6 |
| 3. | | (3.3 as per table 1) | |
| i) | Purity | " | 3 |
| | ii) Moisture | " | 1 |
| | iii) Matter insoluble in water | " | 1½ |
| iv) | Viscosity | " | 2 |
| | v) Ash | " | 1 |
| vi) | Acid insoluble ash | " | 1 |
| | vii) Lead | " | 2 |
| | viii) Arsenic | " | 2 |
| ix) | Heavy metals | " | 5 |
| | x) E.Coli | " | 5 |
| | xi) Salmonella | " | 10 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 41 |

Testing charges per man-hour are Rs. 300.00.

Hence complete testing charges for the product are :**Rs.12300.00**

DDGL may kindly approve.

P. Rajesh
Sc E, LPPD

Head (LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1994 05 23

TESTING CHARGES FOR IS 5191:1993 THE ANALYSIS OF SODIUM ALGINATE
FOOD GRADE.

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-----------------------------------|----------------------|-----------|
| 1. | Description | 3.1 | ½ |
| 2. | Identification | 3.2 | 6 |
| 3. | | (3.3 as per table 1) | |
| | i) Purity | " | 3 |
| | ii) Moisture | " | 1 |
| | iii) Matter insoluble in water | " | 1½ |
| | iv) Viscosity | " | 2 |
| | v) Ash | " | 1 |
| | vi) Acid insoluble ash | " | 1 |
| | vii) Lead | " | 2 |
| | viii) Arsenic | " | 2 |
| | ix) Heavy metals | " | 5 |
| | x) E.Coli | " | 5 |
| | xi) Salmonella | " | 10 |
| | PREPARATION OF TEST REPORT | | ½ |
| | | | ----- |
| | TOTAL TIME : | | 41 |
| | | | ----- |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.3075.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 12 18

TESTING CHARGES FOR IS 5192:1975 VULCANIZED NATURAL RUBBER BASED
COMPOUNDS (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---|--------------------|---|
| 1. | Visual Examination and Surface finish | 3.1 & 3.4 | |
| 2. | Hardness | 3.6, 4.2 & Table 2 | 1 |
| 3. | Tensile Strength and Elongation at break | 3.6, 4.3 & Table 2 | 3 |
| 4. | Compression set | 3.6, 4.4 & Table 2 | 2 |
| 5. | Accelerated ageing test | 3.6, 4.5 & Table 3 | 4½ |
| 6. | Low Temperature Flexibility test (optional) | 3.7 | 2 (Testing facility not available at CL) |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 13 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.975.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

TESTING CHARGES FOR IS 5206:1983 COVERED ELECTRODES FOR MANUAL
METAL ARC WELDING OF STAINLESS STEEL AND OTHER SIMILAR HIGH ALLOY
STEELS (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-----------------------------|----------------|-----------|
| 1. | Sizes | 5 ³ | 2 |
| 2. | General requirements | 6 ³ | |
| 3. | All weld metal tensile test | 8.2 | 11* |
| 4. | Fillet weld test | 8.3 | 4 |
| 5. | Chemical analysis | 8.1 | |
| | a) Carbon | | 1 |
| | b) Chromium | | 2½ |
| | c) Nickel | | 2½ |
| | d) Molybdenum | | 2 |
| | e) Manganese | | 2½ |
| | f) Silicon | | 2½ |
| | g) Phosphorus | | 2 |
| | h) Sulphur | | 2 |
| | i) Niobium | | 3½ |
| | j) Tantalum | | 3½ |
| | k) Copper | | 3 |
| | PREPARATION OF TEST REPORT | | ½ |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for physical tests are : Rs.1350.00
Testing charges for chemical tests shall be levied depending upon the elements required to be tested.

NOTE:- Presently CL is not having facility for preparation of sample considering availability of testing plate and welding skill (Overhead & vertical).

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 5244:1991 effective from 15-05-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS 5244: 1991 SAFE DEPOSIT LOCKER CABINETS

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|---|-------------|-----------|
| 1. | Size & Dimensions | 5 (Fig.2) | 3 |
| 2. | Material | 4 | 4 |
| 3. | Workmanship and Finish | 7 | 0.5 |
| 4. | Testing (including sample preparation time) | 8 | 7 |
| 5. | Design and Manufacture | 6 | 3 |
| | PREPARATION OF TEST REPORT | | 3 |
| | | TOTAL TIME: | 21 |

Testing charges per man-hour are Rs. 300.00.

Hence complete testing charges for the product are **Rs. 6300.00.**

DDGL may kindly approve.

Head (LPPD)

AnuritaJojo
Sc C, LPPD

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. DEPARTMENT)**

Our Ref: Lab/14.0

1997-06-24

TESTING CHARGES FOR IS 5244: 1991 SAFE DEPOSIT LOCKER CABINETS

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|----------------------------|---|-------------------|------------------|
| 1. | Size & Dimensions | 5 (Fig.2) | 3 |
| 2. | Material | 4 | 4 |
| 3. | Workmanship and Finish | 7 | 0.5 |
| 4. | Testing (including sample preparation time) | 8 | 7 |
| 5. | Design and Manufacture | 6 | 3 |
| PREPARATION OF TEST REPORT | | | 3 |
| TOTAL TIME : | | | 21 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are Rs. 1575.00.

DDGL may kindly approve.

(V.K.Sethi)
TS (QA)

DCL(QA)
DDGL
TS (QA)

The revised BIS testing charges for IS 5277:1978 effective from 15-05-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

**TESTING CHARGES FOR IS 5277:1978 DICHLORVOS EMULSIFIABLE
CONCENTRATES (FIRST REVISION)**

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|-------------|-----------|
| 1. | Cold test | 2.2.2 | 1 |
| 2. | Flash point | 2.2.3 | 1 |
| 3. | Emulsion stability | 2.2.4 | 1 |
| 4. | Dichlorvos content | 2.3.1 | 8 |
| 5. | Acidity | 2.3.2 | 1 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | TOTAL TIME: | 13 |

Note the cost of CRM Rs.200.00

Testing charges per man-hour are Rs. 300.00.
Hence complete testing charges for the product are: Rs.3900.00+
Rs 200.00 = **Rs 4100.00**

DDGL may kindly approve.

AnuritaJojo
Sc C, LPPD

Head (LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q. A. DEPARTMENT]

OUR REF : LAB/14:0

1982 10 01

TESTING CHARGES FOR IS 5277:1978 DICHLORVOS EMULSIFIABLE
CONCENTRATES (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|-------------|-----------|
| 1. | Cold test | 2.2.2 | 1 |
| 2. | Flash point | 2.2.3 | 1 |
| 3. | Emulsion stability | 2.2.4 | 1 |
| 4. | Dichlorvos content | 2.3.1 | 8 |
| 5. | Acidity | 2.3.2 | 1 |
| | PREPARATION OF TEST REPORT | | 1 |
| | TOTAL TIME : | | 13 |

Note The cost of CRM Rs.200.00

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.975.00+
Rs 200.00 = Rs 1175.00

APPROVED BY DG

V.K. Sethi
(TS)

The revised BIS testing charges for IS 5278:1969 effective from 23-08-2016

LABORATORY POLICY AND PLANNING DEPTT

OUR REF : LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS 5278:1969 DICOFOL TECHNICAL

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|---------------|-----------|
| 1. | Description | 2.1 | ½ |
| 2. | Active ingredient content | i) of table 1 | 3 |
| 3. | Moisture content | ii) " | 2 |
| 4. | ACidity | iii) " | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 7 |

Testing charges per man-hour are Rs. 300.00.

Hence complete testing charges for the product are : **Rs.2100.00**

DDGL may kindly approve.

(P. Rajesh)
Sc.E, LPPD

Head, LPPD

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1983 01 13

TESTING CHARGES FOR IS 5278:1969 DICOFOL TECHNICAL

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|---------------|-----------|
| 1. | Description | 2.1 | ½ |
| 2. | Active ingredient content | i) of table 1 | 3 |
| 3. | Moisture content | ii) " | 2 |
| 4. | ACidity | iii) " | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 7 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.525.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 5279:1969 effective from 23-08-2016

LABORATORY POLICY AND PLANNING DEPTT

OUR REF : LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS 5279:1969 DICOLFOL EMULSIFIABLE CONCENTRATES

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|----------------------------|-------------|-----------|
| 1. | Description | 2.2.1 | ½ |
| 2. | Cold set | 2.2.2 | 1 |
| 3. | Flash point | 2.2.3 | 1 |
| 4. | Emulsion stability | 2.2.4 | 1 |
| 5. | Dicofol content | 2.3.1 | 4 |
| 6. | Acidity /alkalinity | 2.3.2 | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 9 |

Testing charges per man-hour are Rs. 300.00.

Hence complete testing charges for the product are : **Rs.2700.00**

DDGL may kindly approve.

(P. Rajesh)
Sc.E, LPPD

Head, LPPD
DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1982 10 22

TESTING CHARGES FOR IS 5279:1969 DICOLFOL EMULSIFIABLE CONCENTRATES

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|-------------|-----------|
| 1. | Description | 2.2.1 | ½ |
| 2. | Cold set | 2.2.2 | 1 |
| 3. | Flash point | 2.2.3 | 1 |
| 4. | Emulsion stability | 2.2.4 | 1 |
| 5. | Dicofol content | 2.3.1 | 4 |
| 6. | Acidity /alkalinity | 2.3.2 | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 9 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.675.00

APPROVED BY THE COMPETENT AUTHORITY.

OUR REF : LAB/14:0

1982 10 22

TESTING CHARGES FOR IS 5280:1969 FENITROTHION TECHNICAL

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-------------------------------|---------------|-----------|
| 1. | Description | 2.1 | ½ |
| 2. | Active ingredient content | i) of table 1 | 4 |
| 3. | Material insoluble in acetone | ii) " | 1 |
| 4. | Moisture content | iii) " | 1 |
| 5. | Acidity | iv) " | 1 |
| 6. | Specific gravity | v) " | 1½ |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 10 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.750.00

APPROVED BY THE COMPETENT AUTHOR

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1982 09 27

TESTING CHARGES FOR IS 5281:1979 FENITROTHION EMULSIFIABLE
CONCENTRATES (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|----------------------------|-------------|-----------|
| 1. | Description | 2.2.1 | ½ |
| 2. | Cold test | 2.2.2 | 1 |
| 3. | Flash point (Able) | 2.2.3 | 1 |
| 4. | Emulsion stability | 2.2.4 | 1 |
| 5. | Fenitrothion content | 2.3.1 | 4 |
| 6. | Acidity/Alkalinity | 2.3.2 | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 9 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.675.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 5290:1993 effective from 15-05-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS 5290:1993 LANDING VALVES

| SL. NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|---------|----------------------------|------------|-----------|
| 1. | Material | 4 | * |
| 2. | Dimensions | 5.2 | 8 |
| 3. | Finish | 6.1 & 6.2 | 0.5 |
| 4. | Water Tightness Test | 7.1 | 1.5 |
| 5. | Hydrostatic pressure test | 7.2 | 1 |
| 6. | Flow test | 7.3 | 3** |
| | PREPARATION OF TEST REPORT | | 1 |
| | TOTAL TIME | | --- |
| | | | 15 |
| | | | --- |

Testing charges per man-hour are Rs. 300.00. Hence complete testing charges for the product are **Rs.4500.00** except 1 above.

- Raw materials if supplied separately shall be tested as per relevant ISS and charged accordingly.

** Presently testing facilities for this test is not available at CL.

DDGL may kindly approve.

AnuritaJojo
Sc C, LPPD

Head (LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref:LAB/14:0

1999 05 14

TESTING CHARGES FOR IS 5290:1993 LANDING VALVES

| SL. NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|---------|----------------------------|------------|-----------|
| 1. | Material | 4 | * |
| 2. | Dimensions | 5.2 | 8 |
| 3. | Finish | 6.1 & 6.2 | 0.5 |
| 4. | Water Tightness Test | 7.1 | 1.5 |
| 5. | Hydrostatic pressure test | 7.2 | 1 |
| 6. | Flow test | 7.3 | 3** |
| | PREPARATION OF TEST REPORT | | 1 |
| | TOTAL TIME | | --- |
| | | | 15 |
| | | | --- |

Testing charges per man-hour are Rs. 75.00. Hence complete testing charges for the product are Rs.1125.00 except 1 above.

- Raw materials if supplied separately shall be tested as per relevant ISS and charged accordingly.

** Presently testing facilities for this test is not available at CL.

DG may kindly approve.

(V.K. Sethi)
TS(QA)

DCL(QA) Sd/- 05/14
DDGL Sd/- 05/20
ADGT Sd/- 05/26

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1988 06 17

TESTING CHARGES FOR IS 5295:1985 ETHYLENE GLYCOL

| S NO | TESTS | CLAUSE REF. | MAN-HOURS | |
|------|--|---------------------------|-------------|---------------|
| | | | Fiber grade | General grade |
| 1. | Requirements | 2.1 | ½ | ½ |
| 2. | Colour, before boiling & after boiling for 4 h under total reflex, Hozen time. | 3.2 & i) & ii) of Table 1 | 2 | - |
| 3. | Relative density | 3.2 & iii) of Table 1 | 1 | - |
| 4. | Distillation range | 3.2 & iv) of Table 1 | | |
| | a) INitial boiling profit | 3 3 | | |
| | b) Temperature at which 95 ml of material shall distill | 3 3 | 2 | 2 |
| 5. | Moisture content | 3.2 & v) of table 1 | 2 | 2 |
| 6. | Acidity as acetic acid | vi) " | 1 | 1 |
| 7. | Ash, percent by mass | vii) " | 1 | 1 |
| 8. | Ultra, Violet transmittance in 1 cm cell at. | viii) " | | |
| | a) 220 nm | 3 | | |
| | b) 275 nm | 3 | 3 | - |
| | c) 350 nm | 3 | | |
| 9. | Freezing point of | ix) " | - | 2 |

| S NO | TESTS | CLAUSE REF. | MAN-HOURS | |
|------|-------|-------------|-----------|--|
|------|-------|-------------|-----------|--|

equal volumes of
material & water

| | | | | | |
|-----|-----------------------------------|------|---|----|---|
| 10. | Iron content, ppm | x) | " | 1½ | - |
| 11. | Chlorides content (as Cl) ppm. | XI) | " | 2 | - |
| 12. | Diethylene glycol content | xii) | " | 3 | - |

PREPARATION OF TEST REPORT ½ ½

| | | | | | |
|----|--|--------------|--|----|---|
| -- | | | | 10 | 9 |
| | | TOTAL TIME : | | | |

--

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are as follows :

For Fiber grade :Rs.1500.00
For General grade :Rs.0675.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1985 07 26

TESTING CHARGES FOR IS 5306:1978 SODIUM CARBOXYMETHYL CELLULOSE,
FOOD GRADE"

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|---|--------------------|-----------|
| 1. | Description | 2.1 | 1 |
| 2. | Identification | 2.2 | 1½ |
| 3. | Purity as sodium carbo- xymethyl cellulose | 2.3 i), of table 1 | ½ |
| 4. | Degree of substabution | ii) " | 2 |
| 5. | Loss on drying | iii) " | 1 |
| 6. | Sodium chloride, on dry basis | iv) " | 1½ |
| 7. | Free glycolate | v) " | 2 |
| 8. | pH of 1percent colloidal solution | vi) " | 1 |
| 9. | Viscosity of 2 percent solution (m/m), (in presence of apreservative) | vii) " | |
| | a) Fresh solution, centipoises | ³ | 2 |
| | b) 4 weeks old solution | ³ | |
| 10. | Lead (as Pb) | viii) " | 2 |
| 11. | Arsenic (as As) | ix) " | 2 |
| 12. | Heavy metals | x) " | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 19 |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are :
Rs.1425.00 □

However if the test for purity only is to be carried out, charges shall □

be Rs. 300.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 5312(Pt-1):2004 effective from 23-08-2016

LABORATORY POLICY AND PLANNING DEPTT

OUR REF : LPPD/51:1

10.03.2016

TESTING CHARGES FOR SWING CHECK TYPE REFLUX (NON-RETURN) VALVES AS PER IS 5312 (Pt-1):2004

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where-ever applicable |
|---------|----------------------------|---------------|-----------|--------------------------------|--|
| A. | TEST PARAMETERS | | | | |
| 1. | Nominal Pressure | 3 | 0.5 | | |
| 2. | Nom. Sizes | 4.1 & 4.1.1 | 0.5 | | |
| 3. | Manufacture | 6 | | | |
| | a) Dimensions | 6.2 & Table 2 | 1 | | |
| | b) Area for flow passage | 6.4 | 0.5 | | |
| | c) Door | 6.5 | 0.5 | | |
| | d) Design of valve | 6.6 | 0.5 | | |
| | e) Thickness | 6.7 | 0.5 | | |
| | f) Arrow | 6.8 & 6.8.1 | 1 | | |
| | g) Flanges | 6.9 | 1 | | |
| | h) Body ring | 6.10 & 6.10.1 | 1 | | |
| | j) Door & hinges | 6.11 | 1 | | |
| | k) Door faces | 6.12 | 0.5 | | |
| | l) By-pass arrangement | 6.13 | 1.5 | | |
| 4. | Coating | 7 | 3 | | |
| 5. | Testing | 8 | | | |
| | a) Hydrostatic body test | 8.2 | 2 | | |
| | b) Hydrostatic seat test | 8.3 | 3 | | |
| B. | Electricity power consumed | | | - | |
| C. | Cost of Consumables/CRMs | | | | - |
| D. | PREPARATION OF TEST REPORT | | 1 | | |
| | TOTAL | TIME | 19h | | |

Testing charges per man-hour are Rs.300.00. Hence testing charges for the products is:

Total Rs. 300 x 19 = **Rs.5700.00** (Except materials for different component parts as per Table 1).

DDGL may kindly approve.

(Anurita Jojo)
Sc.C, LPPD

Head-CL
DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref:CL/QA/79

21 Aug 2007

TESTING CHARGES FOR SWING CHECK TYPE REFLUX (NON-RETURN) VALVES AS PER IS
5312 (Pt-1):2004

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- ever applicable |
|---------|----------------------------|---------------|-----------|--------------------------------------|--|
| A. | TEST PARAMETERS | | | | |
| 1. | Nominal Pressure | 3 | 0.5 | | |
| 2. | Nom. Sizes | 4.1 & 4.1.1 | 0.5 | | |
| 3. | Manufacture | 6 | | | |
| | a) Dimensions | 6.2 & Table 2 | 1 | | |
| | b) Area for flow passage | 6.4 | 0.5 | | |
| | c) Door | 6.5 | 0.5 | | |
| | d) Design of valve | 6.6 | 0.5 | | |
| | e) Thickness | 6.7 | 0.5 | | |
| | f) Arrow | 6.8 & 6.8.1 | 1 | | |
| | g) Flanges | 6.9 | 1 | | |
| | h) Body ring | 6.10 & 6.10.1 | 1 | | |
| | j) Door & hinges | 6.11 | 1 | | |
| | k) Door faces | 6.12 | 0.5 | | |
| | l) By-pass arrangement | 6.13 | 1.5 | | |
| 4. | Coating | 7 | 3 | | |
| 5. | Testing | 8 | | | |
| | a) Hydrostatic body test | 8.2 | 2 | | |
| | b) Hydrostatic seat test | 8.3 | 3 | | |
| B. | Electricity power consumed | | | - | |
| C. | Cost of Consumables/CRMs | | | | - |
| D. | PREPARATION OF TEST REPORT | | 1 | | |
| | TOTAL | TIME | 19h | | |

Testing charges per man-hour are Rs.75.00. Hence testing charges for the products is:

Total Rs. 75 x 19 = Rs.1425.00 (Except materials for different component parts as per Table 1).

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(K.S. Arya)
STA(QA)

Head-CL

DDGL

The revised BIS testing charges for IS 5342:1996 effective from 15-04-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR ASCORBIC ACID, FOOD GRADE AS PER IS 5342:1996

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- ever applicable |
|---------|--|--------------|---------------------|---|---|
| A. | TEST PARAMETERS | | | | |
| 1. | Description (Melting range) | 3 | 1 | 1kwh | |
| 2. | Identification | 4.1 | 1 | - | |
| 3. | Specific rotation | 4.2 | 1 | 0.5 kwh | |
| 4. | pH of 2% solution | 4.3 | 0.5 | 0.5 kwh | |
| 5. | i) Purity as C ₆ H ₈ O ₆ 100.00 | 4.4, Table 1 | 2 | | |
| | ii) Loss on drying over H ₂ SO ₄ for 24 hrs | -- do -- | 1 | | |
| | iii) Sulphated ash | -- do -- | 2 | 10 kwh | |
| | iv) Arsenic (as As) | -- do -- | 4 | 2 kwh | 600.00 |
| | v) Heavy Metal (as Pb) | -- do -- | 4 | 10 kwh | 400.00 |
| B. | Electricity power consumed | | | 24kwh | Cost of CRMs 1100.00 |
| D. | PREPARATION OF TEST REPORT | | | 1 | |
| | TOTAL | TIME | 17..5 (rounded 18h) | | |

Testing charges per man-hour are Rs.300.00. Hence complete testing charges for the products is:

Total Rs.18x300+9x24+1100=**Rs.6716.00**

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

P. Rajesh
Sc E,LPPD

Head (LPPD)
DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref:CL/QA/79

3 May 2007

TESTING CHARGES FOR ASCORBIC ACID, FOOD GRADE AS PER IS 5342:1996

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- ever applicable |
|---------|--|--------------|---------------------|--------------------------------------|--|
| A. | TEST PARAMETERS | | | | |
| 1. | Description (Melting range) | 3 | 1 | 1kwh | |
| 2. | Identification | 4.1 | 1 | - | |
| 3. | Specific rotation | 4.2 | 1 | 0.5 kwh | |
| 4. | pH of 2% solution | 4.3 | 0.5 | 0.5 kwh | |
| 5. | i) Purity as C ₆ H ₈ O ₆ | 4.4, Table 1 | 2 | | 100.00 |
| | ii) Loss on drying over H ₂ SO ₄ for 24 hrs | -- do -- | 1 | | |
| | iii) Sulphated ash | -- do -- | 2 | 10 kwh | |
| | iv) Arsenic (as As) | -- do -- | 4 | 2 kwh | 600.00 |
| | v) Heavy Metal (as Pb) | -- do -- | 4 | 10 kwh | 400.00 |
| B. | Electricity power consumed | | | 24kwh | |
| C. | Cost of Consumables/CRMs | | | | 1100.00 |
| D. | PREPARATION OF TEST REPORT | | 1 | | |
| | TOTAL | TIME | 17..5 (rounded 18h) | | |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the products is:

$$\text{Total Rs. } 18 \times 75 + 4 \times 24 + 1100 = \text{Rs. } 2546.00$$

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(K.S. Arya)
STA(QA)

Head (CL)
DDGL

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref:CL/QA/14:0

2002-07-25

TESTING CHARGES FOR IS: 5343 BUTYLATED HYDROXYANISOLE, FOOD GRADE

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|-------------------------------------|--------------|-----------|
| 1. | Description | 3 | 1 |
| 2. | Identification | 4.1.1 | 0.5 |
| | | 4.1.2 | 0.5 |
| 3. | Requirements | 4.2, table 1 | |
| | a) i) Purity | | 2.5 |
| | ii) Tertiary butyl & hydroxyanisole | | 2 |
| | b) Melting point | | 1 |
| | c) Sulphated Ash | | 2 |
| | d) Arsenic | | 2 |
| | e) Heavy metals | | 2 |
| | f) Iron | | 2 |
| | g) Phenolic impurities | | 2 |
| | h) Specific Absorption | | 1.5 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ----- |
| | TOTAL TIME | | 20 |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.1500.00

DG may kindly approve.

(Yad Ram)
TS(QA)

D&H (QA)
DDGL
ADGT
DG

The revised BIS testing charges for IS 5346:1994 effective from 15-05-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR SYNTHETIC FOOD COLOUR AS PER IS 5346:1994

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh material | Cost of consumables including reference material ever |
|----------------------|-----------------------------------|--------------|-----------|--|--|
| where- applicable | | | | | |
| A. | TEST PARAMETERS | | | | |
| 1. | Total dye content | 4.5 | 4 | 1 kw | 25.00 |
| 2. | Requirement as per | 4.6, table 1 | | | |
| | a) Water Insoluble matter | -- do -- | 2 | 1 kw | |
| | b) Lead | -- do -- | 2 | 3 kw | 25.00 |
| | c) Arsenic | -- do -- | 2 | 3 kw | 25.00 |
| | d) Heavy metals | -- do-- | 2 | 3 kw | 25.00 |
| B. | Electricity power consumed | | | 11 kw=11 units | |
| C. | Cost of Consumables/CRMs | | | | 100/- |
| D. | PREPARATION OF TEST REPORT | | 1 | | |
| | TOTAL | TIME | 13 | | |

Testing charges per man-hour are Rs.300.00. Hence complete testing charges for the products is:

$$\text{Total Rs. } 13 \times 300 + 11 \times 9 + 100 = \text{Rs. } 4099 \text{ (Rounded Rs. } 4100 \text{)}$$

DDGL may kindly approve.

Head (LPPD)

DDG (Labs)

P. Rajesh
Sc E, LPPD

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref:CL/QA/79

5 Jan 2006

TESTING CHARGES FOR SYNTHETIC FOOD COLOUR AS PER IS 5346:1994

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- ever applicable |
|---------|-----------------------------------|--------------|-----------|--------------------------------------|--|
| A. | TEST PARAMETERS | | | | |
| 1. | Total dye content | 4.5 | 4 | 1 kw | 25.00 |
| 2. | Requirement as per | 4.6, table 1 | | | |
| | a) Water Insoluble matter | -- do -- | 2 | 1 kw | |
| | b) Lead | -- do -- | 2 | 3 kw | 25.00 |
| | c) Arsenic | -- do -- | 2 | 3 kw | 25.00 |
| | d) Heavy metals | -- do-- | 2 | 3 kw | 25.00 |
| B. | Electricity power consumed | | | 11 kw=11 units | |
| C. | Cost of Consumables/CRMs | | | | 100/- |
| D. | PREPARATION OF TEST REPORT | | 1 | | |
| | TOTAL | TIME | 13 | | |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the products is:

$$\text{Total Rs. } 13 \times 75 + 11 \times 4 + 100 = \text{Rs. } 1119 \text{ (Rounded Rs. } 1120.00)$$

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(K.S. Arya)
STA(QA)

D&H(QA)
DDGL

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1993 10 14

TESTING CHARGES FOR IS 5348:1981 STAPLES

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|------------------------------|---------------|--------------------------------------|
| 1. | Marking & Packing | 8 & 9 | ½ |
| 2. | Material | 3 | As per IS 4224 |
| 3. | Shape & Dimensions | 4 | 1 |
| 4. | Workmanship & finish | 5 | ½ |
| 5. | Performance Tests | | |
| | a) Penetration Test | 6.1.1 & 6.1.2 | 1 |
| | b) Holding power Test | 6.1.3 | 2 |
| | | | Testing facility not available at CL |
| | c) Corrosion resistance Test | 6.2 | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 7 |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.525.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

TESTING CHARGES FOR IS 5349:1969 STAPLERS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---|-------------|-----------|
| I. | Mechanical tests | | |
| | 1. Hardness of anvil | 5 | ½ |
| | 2. Hardness of staple driver | 5 | ½ |
| | 3. Hardness of Vertical chute (for type I only) | 5.3 | ½ |
| | 4. Jaw opening anvil, staple chute, mechanism and capacity (for type II only) | 5.3 | ½ |
| | 5. Performance test | 7.1 | 2 |
| | 6. Shock test | 7.2 | ½ |
| II. | Chemical test | | |
| | Springs conforming to Section V of IS 4454:1967 | | |
| | Carbon | | 1 |
| | Silicon | | 1½ |
| | Manganese | | 1½ |
| | Sulphur | | 3 |
| | Phosphorous | | 1½ |
| | Copper | | 2 |
| | Staple | | |
| | Carbon | | 1 |
| | PREPARATION OF TEST REPORT | | ½ |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1200.00

Mechanical charges

| | |
|-----------------------|-------------|
| For type I | : Rs.300.00 |
| For type II | : Rs.225.00 |
| For chemical Analysis | : Rs.825.00 |

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref:CL/QA/14:0

2002-02-06

TESTING CHARGES FOR IS: 5380:1976 SODIUM BROMIDE, PHOTOGRAPHIC GRADE

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|---|------------|-----------|
| 1. | Sodium Bromide, % by mass of dried material | Table 1 | 1.5 |
| 2. | Chlorides (ascl) % by mass | Table 1 | 1.5 |
| 3. | Heavy metals (as Pb) | Table 1 | 1.5 |
| 4. | Iron (as Fe) | Table 1 | 1 |
| 5. | Moisture | Table 1 | 0.5 |
| 6. | Iodide (as I) | Table 1 | 1 |
| 7. | Bromates (as BrO3) | Table 1 | 1 |
| 8. | Sulphates (as SO4) | Table 1 | 1 |
| 9. | Insoluble matter (as calcium, magnesium and ammonium hydroxide precipitate) | Table 1 | 1 |
| 10. | pH of 5% aqueous solution | Table 1 | 0.5 |
| | PREPARATION OF TEST REPORT | | 0.5 |
| | | | ----- |
| | TOTAL TIME | | 11 |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.825/-

DDGL may kindly approve.

(Yad Ram)
TS(QA)

DCL(QA)
DDGL

The revised BIS testing charges for IS 5382:1985 effective from 15-05-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS 5382:1985 RUBBER SEALING RINGS FOR GAS MAINS, WATER MAINS & SEWERS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|------------------------|-----------|
| 1. | Finish | 3.3 | ½ |
| 2. | Stretch test | 3.4 & 3.5 | 1 |
| 3. | Dimensions | 3.6 | 1 |
| 4. | Hardness | 3.7.1 & i) of table 1 | 1 |
| 5. | Tensile strength & elongation at break | 3.7.2 & Table 2 | 3 |
| 6. | Compression set | 3.7.3 & ii) of table 1 | 4 |
| 7. | Accelerated ageing in air | 3.7.4 & iii) of Tab.1 | 5 |
| 8. | Water immersion | 3.7.5 | 8 |
| 9. | Cold resistance | 3.7.6 & v) of Tab.1 | *FNA |
| 10. | Stress relaxation in compression | 3.7.7 & vi) of Tab.1 | *FNA |
| 11. | Water absorption | 3.7.8 | 8 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME: | | 32 |

Testing charges per man-hour are Rs. 300.00.

Hence complete testing charges for the product are: **Rs.9600.00** excluding tests at Sl. Nos. 9 & 10 above for which testing facilities are not available at CL.

* Facility not available at CL.

DDGL may kindly approve.

AnuritaJojo
Sc C, LPPD

Head (LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1988 12 14

TESTING CHARGES FOR IS 5382:1985 RUBBER SEALING RINGS FOR GAS MAINS,
WATER MAINS & SEWERS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|------------------------|-----------|
| 1. | Finish | 3.3 | ½ |
| 2. | Stretch test | 3.4 & 3.5 | 1 |
| 3. | Dimensions | 3.6 | 1 |
| 4. | Hardness | 3.7.1 & i) of table 1 | 1 |
| 5. | Tensile strength & elongation at break | 3.7.2 & Table 2 | 3 |
| 6. | Compression set | 3.7.3 & ii) of table 1 | 4 |
| 7. | Accelerated ageing in air | 3.7.4 & iii) of Tab.1 | 5 |
| 8. | Water immersion | 3.7.5 | 8 |
| 9. | Cold resistance | 3.7.6 & v) of Tab.1 | *FNA |
| 10. | Stress relaxation in compression | 3.7.7 & vi) of Tab.1 | *FNA |
| 11. | Water absorption | 3.7.8 | 8 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 32 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are :
Rs.2400.00 □

excluding tests at Sl. Nos. 9 & 10 above for which testing facilities are not available at CL.

* Facility not available at CL.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1985 01 15

TESTING CHARGES FOR IS 5383:1978 TOOTH POWDER

| S NO | TESTS | CLAUSE REF. | MAN-HOURS | |
|--------------|--|---------------------|-----------|--------|
| | | | Type 1 | Type 2 |
| 1. | Description | 3.1 | ½ | ½ |
| 2. | Fineness | 3.3 & i) of table 1 | 1 | 1 |
| 3. | Moisture & Volatile matter | " ii) " | 1 | 1 |
| 4. | pH of aqueous suspension | " iii) " | 1 | 1 |
| 5. | Foaming power (Applicable for type 1 only) | " iv) " | 1½ | - |
| 6. | Lead (as Pb) | " v) " | 2 | 2 |
| 7. | Arsenic (as As ₂ O ₃) | " vi) " | 2 | 2 |
| 8. | Hard & shape edged abrasive particles | " vii) " | 1 | 1 |
| | PREPARATION OF TEST REPORT | | ½ | ½ |
| TOTAL TIME : | | | 11 | 9 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are as follows :

Type 1 Rs. 825.00

Type 2 Rs. 675.00

APPROVED BY THE COMPETENT AUTHORITY.

The BIS testing charges for IS 5405:1980 effective from 12-02-2018

BUREAU OF INDIAN STANDARDS

CENTRAL LABORATORY

(Quality Assurance Department)

Ref: CL/QA/Testing Charges/5405

29.11.2017

Based on the inputs received from testing section, the testing charges as per **IS 5405:1980 (Amnd-1)**
SANITARY NAPKINS is as below:

| S. No. | Requirement/Characteristics | IS/Clause | Man-hours | Power (kWh) | Consumables | Remarks |
|---------------|---|------------------|------------------|--------------------|--------------------|----------------|
| 1. | Sizes | Cl. 3.1 | 0.5 | - | - | - |
| 2. | Thickness | Cl. 3.1.1 | 0.5 | - | - | - |
| 3. | Bend Test | Cl. 4 | 0.5 | - | - | - |
| 4. | Absorbency and ability to withstand pressure after absorption | Cl. 5.1 | 1 | - | 100.00 | - |
| 5. | Disposability | Cl. 5.2 | 0.5 | - | 50.00 | - |
| 6. | pH value | Cl. 5.3 | 1 | - | - | - |
| | Report Preparation | | 0.5 | - | - | - |
| | Total | | 4.5 | - | 150.00 | - |

Testing charges = 4.5 x 300 + 150.00 = Rs. 1500.00.

OIC (QA)

Head (CL)

DDGL

As decided by Competent Authority, the testing charges for the product are Rs 1500/- +

(Ankita Tripathi)
Sc.B, LPPD

HLPPD

DDG (Labs)

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1985 07 22

TESTING CHARGES FOR IS 5406:1979 UREA FERTILIZER GRADE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|--------------------------------|---------------------|-----------|
| 1. | Description & general checking | 2.1 | ½ |
| 2. | Particles size | 2.2 | 1 |
| 3. | Total nitrogen | 2.3 & i) of table 1 | 2½ |
| 5. | Moisture | ii) " | 1 |
| 6. | Biruet | iii) " | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 8 |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.600.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref : CL/QA/14:0

1997 12 02

TESTING CHARGES FOR IS 5410:1992 CEMENT PAINT

| SL. NO | CHARACTERISTICS | CLAUSE NO. | MAN-HOUR |
|--------|--|-------------------|--------------|
| 1. | Chemical composition | 4.1 | |
| | a) Total calcium oxide | 3.1.1 Annex B | 5 |
| | b) Free lime | 3.1.2 Annex B | 1.5 |
| | c) Total Magnesium Oxide | 3.1.3 Annex B | 2 |
| | d) Carbon Dioxide | 3.1.4 Annex B | 2 |
| | e) Chlorides | 3.1.5 Annex B | 1 |
| | f) Loss on Ignition | 3.1.6 Annex B | 1 |
| | g) Free or Extraneous water | 3.1.7 Annex B | 1 |
| 2. | Freedom from Organic Binders | 4.1 | 0.5 |
| 3. | Preparation of use | 4.2 | 0.5 |
| 4. | Durability (Preparation of panels & Examination of exposed film) | 4.4 | 2 |
| 5. | i) Drying Time (Hardening) and recoating properties | 4.5 & 7.1 Table 1 | 2 |
| | ii) Finish) | -do- | 1 |
| | iii) Colour) | | |
| | iv) Fastness to light | -do- | 5 |
| | v) Residue on sieve | -do- | 1 |
| | vi) Resistance to dry rubbing | -do- | 0.5 |
| | vii) Water repellency | -do- | 6 |
| | viii) Pot life of mixed paint | -do- | 1 |
| | ix) Keeping properties (excluding chemical composition test & durability test) | -do- | 17.5 |
| 6. | Optional requirement for ECO Mark | | |
| | a) Volatile organic compound | 4.6.2.1 | 2 |
| | b) Toxic metals such as Lead, Cadmium & chromium VI) | 4.6.2.2 | 9 (3 h each) |
| | PREPARATION OF TEST REPORT | | 2 |
| | TOTAL TIME | | 64 |

Testing charges per man-hour are Rs.75.00

Hence complete testing charges for the product are Rs.4800.00

DDGL may kindly approve.

(V.K.
Sethi)
TS (QA)

DCL(QA)/DDGL

NOTE: REVISED TESTING CHARGES ARE PLACED BELOW:



BUREAU OF INDIAN STANDARDS
[Laboratory Policy & Planning Deptt.]

Our Ref: LPPD/51:2

04.09.2015

Subject: Revision of BIS Testing Charges

BIS Testing Charges for Nine ISs pertaining to Paints products have been reviewed and as decided by CA, the revised testing charges of these products are given in Annex-1. The revised BIS testing charges for these product shall be effective from 01.09.2015 and applicable for samples sent to BIS Labs for testing after 31.08.2015.

The above revised testing charges shall not be applicable for outside BIS recognized labs. The outside approved lab who had adopted BIS testing charges would continue to be paid as per the pre-revised rates.

All BIS Labs/ROs/BOs are advised to note the above for implementation by the said date.

Encl: as above

(Dileep Kumar)
Head (LPPD)

Sc.-G & DDG (Labs)

Circulated to all Heads of BIS Labs/ROs/BOs/DDG (Cert.)/CMDs/DDGF

Copy to: H (ITS) – With a request to get the circular hosted on BIS Intranet

BIS Laboratory Policy & Planning Deptt.

Ref: LPPD/51:2

31.08.2015

Subject: Testing Charges for Cement Paint as per IS 5410:2013

| S. No. | | IS/ Clause | Man-Hours | Man-Hour Cost of testing (@ Rs. 300) | Power Consumption (in KWh) | Cost of Power @ Rs 9 per unit | Consumables required (Approx Cost in Rs.) | |
|--------|---------------------------------|----------------|-----------|--------------------------------------|----------------------------|-------------------------------|--|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| 1 | Composition | 4.1 | | | | | | |
| i) | Portland Cement & Hydrated Lime | | | | | | | |
| | a) Total Calcium Oxide | Annex-B, 3.1.1 | 5 hrs | 1500 | 36 | 324 | Aggregate cost of consumables is mentioned below | |
| | b) Free Lime | Annex-B, 3.1.2 | 1.5 hrs | 450 | | | | |
| | c) Total Magnesium Oxide | Annex-B, 3.1.3 | 2 hrs | 600 | | | | |
| | d) Carbon Dioxide | Annex-B, 3.1.4 | 2 hrs | 600 | | | | |
| | e) Chlorides | Annex-B, 3.1.5 | 1 hrs | 300 | | | | |
| | f) Loss of Ignition | Annex-B, 3.1.6 | 1 hrs | 300 | | | | |
| | g) Free from Extraneous Water | Annex-B, 3.1.7 | 1 hrs | 300 | | | | |
| 2 | Freedom from Organic Binders | 4.1.1 | 0.5 hrs | 150 | - | - | | |
| 3 | Preparation for Use | 4.2 | 0.5 hrs | 150 | - | - | | |
| 4 | Lead Restriction | 4.4 | 2.5 hrs | 750 | 5 | 45 | | |

| | | | | | | | |
|-----------|--|---|----------|------|-----|------|-----|
| 5 | Durability | 4.6 | 2 hour | 600 | - | - | |
| 6 | Keeping Properties | 4.7 (Table 1) | 6.5 hrs | 1950 | 300 | 2700 | |
| 7 | Drying Time, Hard Dry | 4.7, 4.8, 7.1, Table 1, S. No. i) | 1 hour | 300 | - | - | |
| 8 | Finish | 4.7, 4.8, 7.1, Table 1, S. No. ii) | 15 min | 75 | - | - | |
| 9 | Colour | 4.7, 4.8, 7.1, Table 1, S. No. iii) | 15 min | 75 | - | - | |
| 10 | Fastness to Light | 4.5, 4.7, 4.8, 7.1, Table 1, S. No. iv) | 2 hrs | 300 | 300 | 2700 | |
| 11 | Residue on Sieve (on dry material) | 4.7, 4.8, 7.1, Table 1, S. No. v) | 0.5 hrs | 150 | - | - | |
| 12 | Resistance to Dry Rubbing | 4.7, 4.8, 7.1, Table 1, S. No. vi) | 15 min | 75 | - | - | |
| 13 | Water Repellency | 4.7, 4.8, 7.1, Table 1, S. No. vii) | 1.5 hrs | 450 | - | - | |
| 14 | Pot Life of Mixed Paint | 4.7, 4.8, 7.1, Table 1, S. No. viii) | 0.5 hrs | 150 | - | - | |
| 15 | Recoating Properties | 4.7, 4.8, 7.1, Table 1, S. No. ix) | 15 min | 75 | - | - | |
| 16 | Optional requirement for ECO-Mark | 4.9 | | | | | |
| i) | General Requirements | 4.9.1 (4.1 to 4.6) | As above | | | | |
| ii) | Volatile Organic Compound | 4.9.2.1 | 2 hrs | 600 | 2 | 18 | 250 |

| | | | | | | | |
|---|--|--|------------------|-----------------------------------|--|----------------|--|
| iii) | Toxic Metals such as Lead, Cadmium and Chromium | 4.9.2.2 | 6 hrs | 2700 | 10 | 90 | |
| TOTAL Man Hours | | | | | | | |
| | For Initial Testing | 25.5 hrs | Rs. 7,650 | 341 KWh, 341/4 = 85.25 KWh | Rs. 3069, 3069/4 = Rs. 767.25 = Rs. 770 | Rs. 450 | |
| | Only Keeping Properties Testing | 6.5 hrs | Rs. 1950 | 300 KWh, 300/4 = 75 KWh | Rs. 2700, 2700/4 = Rs. 675 | Rs. 250 | |
| | For Initial Testing With ECO-Mark Requirements (Excluding Keeping Properties) | 33.5 hrs | Rs. 10050 | 353 KWh, 353/4 = 88.25 KWh | Rs. 3177, 3177/4 = Rs. 794.25 = Rs. 795 | Rs. 700 | |
| | Preparation of Test Report | 1 hour | Rs. 300 | | | | |
| Power Consumption has been calculated considering 4 samples in a batch | | | | | | | |
| | TOTAL Testing Charges | For Initial Testing = Rs. (7650+770+450) = Rs. 8,870. | | | | | |
| | | Only Keeping Properties Testing = Rs. (1950+675+250) = Rs. 2,875. | | | | | |
| | | For Initial Testing With ECO-Mark Requirements = Rs. (10050+795+700) = Rs. 11,545. (Excluding Keeping Properties) | | | | | |
| | | Preparation of Test Report = Rs. 300. | | | | | |

DDG (Labs) may kindly approve.

Varsha
Sc.-C

Head (LPPD)

BIS CENTRAL LABORATORY**(Q.A. Department)**

2002-12-12

Our Ref:CL/QA/14:0

TESTING CHARGES FOR IS: 5411(Pt-I):1992 PLASTIC EMULSION PAINT FOR EXTERIOR USE

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|-----------------------------------|-------------------------|-----------|
| 1. | General requirements | | |
| | i) Composition | 3.1 | 0.5 |
| | ii) Condition in the container | 3.2 | |
| | iii) Thinning | 3.3 | 0.5 |
| | iv) Application properties | 3.4 | |
| | v) Recoating properties | 3.5 | 2 |
| 2. i) | Mass in Kgs/10 ltr | 3.6 | 1 |
| ii) | Opacity | 3.7 | 0.5 |
| 3. | Tabular requirements | 3.8, Table 1 | |
| | i) Drying time | | |
| | a) Surface dry | Sr.No.i) | 2 |
| | b) Hard dry | | |
| | ii) Consistency | Sr.No.ii) | 1 |
| | iii) Finish | Sr.No.iii) | |
| | iv) Colour | Sr.No.iv) | 0.5 |
| | v) Fastness to light | Sr.No.v) | 4 |
| | vi) Resistance to alkali | Sr.No.vi) | 1 |
| | vii) Resistance of wet abrasion * | Sr.No.vii) | 7 |
| | viii) Temperature stability | Sr.No.viii) | 4 |
| 4. | Keeping property | S.No.ix) | 24 |
| | PREPARATION OF TEST REPORT | | 2 |
| | | | ----- |
| | | TOTAL TIME (Rounded of) | 50 h |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.3750/-.

DG may kindly approve.

D&H (QA)
DDGL
DDGF
ADGT
DG

(Dr. A.K. Goyal)
Director (QA)

BIS CENTRAL LABORATORY
(Q.A. Department)
2002-12-12

Our Ref:CL/QA/14:0

TESTING CHARGES FOR IS: 5411(Pt-II):1992 PLASTIC EMULSION PAINT FOR EXTERIOR USE

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|---------------------------------------|-------------------------|-----------|
| 1. | General requirements | | |
| | i) Composition | 3.1 | 0.5 |
| | ii) Condition in the container | 3.2 | |
| | iii) Thinning | 3.3 | 0.5 |
| | iv) Application properties | 3.4 | |
| | v) Recoating properties | 3.5 | 2 |
| 2. | Durability | | |
| | i) Out door | 3.6.1 | 16.5 |
| | ii) Accerated ageing(weather-o-meter) | 3.6.1 & 3.6.2 | 18.5 |
| 3. | Tabular requirements | 3.7, Table 1 | |
| | ii) Drying time | | |
| | a) Surface dry | Sr.No.i) | 2 |
| | b) Hard dry | | |
| | ii) Consistency | Sr.No.ii) | 1 |
| | iii) Finish | Sr.No.iii) | |
| | iv) Colour | Sr.No.iv) | 0.5 |
| | v) Fastness to light | Sr.No.v) | 12 |
| | vi) Resistance to alkali | Sr.No.vi) | 1 |
| | vii) Resistance of wet abrasion * | Sr.No.vii) | 6 |
| | viii) Temperature stability | Sr.No.viii) | 4 |
| | ix) Mass in Kg/10 ltr | 3.8 | 1 |
| | x) Opacity | 3.9 | 2 |
| 4. | Keeping property | S.No.ix) | 30.5 |
| | PREPARATION OF TEST REPORT | | 2 |
| | | | ----- |
| | | TOTAL TIME (Rounded of) | 100 H |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.7500/-.

DG may kindly approve.

(Dr. A.K. Goyal)
Director (QA)

D&H (QA)
DDGL
DDGF
ADGT
DG

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref:CL/QA/14:0

2001-07-09

TESTING CHARGES FOR IS: 5414:1995 GLAND PACKING JUTE & HEMP

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|-------------------------------|------------|-----------|
| 1. | Fibre strength & Yarn content | 4.1 | 1.5 |
| 2. | Lubricants | 4.2 | 5 |
| 3. | Graphite or Mica | 4.3 | 2 |
| 4. | Dimensions | 4.4 & 7.1 | 0.5 |
| 5. | Weight | 4.5 | 0.5 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ---- |
| | TOTAL TIME | | 11 |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.825.00....

DG may kindly approve.

(V.K. Sethi)
TS(QA)

D&H(QA)
DDGL
ADGT
DG

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 09 11

TESTING CHARGES FOR IS 5423:1989 AUTOMOTIVE VEHICLES-SHOCK
ABSORBERS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|-------------|-----------|
| 1. | Dimensions | 4 | 2.5 |
| 2. | End Mountings | 6.6 | 0.5 |
| 3. | Initial damping force | 7.2 | 4 |
| 4. | Final damping force | 7.2 | 2.5 |
| 5. | Endurance test | 7.3 | 4 |
| 6. | Visual inspection | 9 | 1 |
| | PREPARATION OF TEST REPORT | | 0.5 |

TOTAL TIME :

15

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1125.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 5430:1981 effective from 15-04-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS 5430:1981 AMMONIA PRESERVED CONCENTRATED NATURAL RUBBER LATEX

| S NO | TESTS | CLAUSE REF. | MAN-HOURS | | |
|------|----------------------------|--------------------------------|-----------|-----------|-----------|
| | | | TYPE HA | TYPE MA | TYPE LA |
| 1. | Requirements | 3.1 & 3.2 | ½ | ½ | ½ |
| 2. | Dry rubber content | i) of table 1 | 2 | 2 | 2 |
| 3. | Non rubber solids | ii) " | 1 | 1 | 1 |
| 4. | Coagulum content | iii) " | 2 | 2 | 2 |
| 5. | Sludge content | iv) " | 1½ | 1½ | 1½ |
| 6. | Alkalinity | v) " | 1 | 1 | 1 |
| 7. | KOH number | vi) " | 1½ | 1½ | 1½ |
| 8. | Mechanical stability vii) | " Facility not available at CL | | | |
| 9. | Volatile fatty acid viii) | " | 2 | 2 | 2 |
| 10. | Copper content | ix) " | 2 | 2 | 2 |
| 11. | Manganese content | x) " | 2 | 2 | 2 |
| | PREPARATION OF TEST REPORT | | ½ | ½ | ½ |
| | TOTAL TIME : | | 16 | 16 | 16 |

Testing charges per man-hour are Rs. 300.00. Hence testing charges for the product are as follows :

Type HA **Rs.4800.00**, Type MA **Rs.4800.00**, Type LA **Rs.4800.00**

These charges do not including charges for mechanical stability test at Sl. No. 8 for which facilities do not exist at CL.

DDGL may kindly approve.

Anurita Jojo
Sc C,LPPD

Head (LPPD)
DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABA
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1992 09 01

TESTING CHARGES FOR IS 5430:1981 AMMONIA PRESERVED CONCENTRATED
NATURAL RUBBER LATEX (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS | | |
|------|----------------------------|---------------|---------------------------------|---------|---------|
| | | | TYPE HA | TYPE MA | TYPE LA |
| 1. | Requirements | 3.1 & 3.2 | ½ | ½ | ½ |
| 2. | Dry rubber content | i) of table 1 | 2 | 2 | 2 |
| 3. | Non rubber solids | ii) " | 1 | 1 | 1 |
| 4. | Coagulum content | iii) " | 2 | 2 | 2 |
| 5. | Sludge content | iv) " | 1½ | 1½ | 1½ |
| 6. | Alkalinity | v) " | 1 | 1 | 1 |
| 7. | KOH number | vi) " | 1½ | 1½ | 1½ |
| 8. | Mechanical stability | vii) " | Facility not available at CL | | |
| 9. | Volatile fatty acid | viii) " | 2 | 2 | 2 |
| 10. | Copper content | ix) " | 2 | 2 | 2 |
| 11. | Manganese content | x) " | 2 | 2 | 2 |
| | PREPARATION OF TEST REPORT | | ½ | ½ | ½ |

TOTAL TIME : 16 16 16

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are as follows :

Type HA Rs.1200.00

Type MA Rs.1200.00

Type LA Rs.1200.00

A

These charges do not including charges for mechanical stability test □
at Sl. No. 8 for which facilities do not exist at CL.

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 5470:2002 effective from 24-03-2017

**BIS CENTRAL LABORATORY, SAHIBABAD
[CHEMICAL DEPARTMENT]**

TESTING CHARGES FOR IS 5470:2002, Amnd-1, DICALCIUM PHOSPHATE ANIMAL FEED GRADE

| Sl. No. | Characteristics | Clause no. | Man-Hours Consumed | Electricity power | Cost of consumable |
|---------|---|--------------|---------------------|-------------------|---------------------|
| | kwh | material | including reference | | wherever applicable |
| 1. | Particle size | 4.1 | 1 | | |
| 2.* | Bacillus Anthracis | 4.2 | | | |
| 3.* | Clostridium sp. | | | | |
| 4. | Moisture | Table 1, 4.4 | 2 | 1 | |
| 5. | Calcium (as Ca) | -- do -- | 3 | | |
| 6. | Phosphorus (as P) | -- do --- | 3 | | |
| 7.* | Fluorine (as F) | -- do -- | 2 | | |
| 8. | Acid insoluble ash | -- do -- | 3 | | |
| 9. | Lead (as Pb) | -- do -- | 3 | 1 | |
| 10. | Arsenic (as As ₂ O ₃) | -- do -- | 3 | | |
| 11. | Total ash | -- do -- | 2 | 2 | |
| 12. | Presence of proteinous/ organic impurities | -- do -- | 0.5 | 1 | |
| | PREPARATION OF TEST REPORT | | 1 | | |
| | TOTAL TIME | | 23.5 | 5 | 200 |

* Testing facilities not available.

Testing charges per man-hour are Rs.300.00.

Hence complete testing charges of the product are =23.5x300+5x9+200 (cost of consumables) = Rs.7295/-, Rounded off to Rs.7300/-.

CA may kindly approve.

Praveen Kumar

T. A.

OIC (Chem)

Head, CL

As decided by CA, testing charges are Rs.7300/- excluding Bacillus anthracis, Clostridium sp.

(Kshitij Bathla)

Sc.B, LPPD

Head, LPPD

DDGL

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1994 08 05

TESTING CHARGES FOR IS 5470:1969 DIACALCIUM PHOSPHATE ANIMAL FEED
GRADE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---------------------------------------|---------------------|-----------|
| 1. | Description | 2.1 | 1 |
| 2. | Freedom from adulterants (Arsenic) | 2.2 | 2 |
| 3. | Moisture | 2.2 & i) of Table 1 | 1 |
| 4. | Calcium (as Ca) | ii) " | 3 |

| | | | | |
|----|----------------------------|------|---|-------|
| 5. | Phosphorus (as P) | iii) | " | 3 |
| 6. | Fluorine (as F) | iv) | " | 4 |
| 7. | Acid insoluble ash | v) | " | 1½ |
| | PREPARATION OF TEST REPORT | | | ½ |
| | | | | ----- |
| | TOTAL TIME : | | | 16 |
| | | | | ----- |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1200.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY

(Q.A. Department)

4 Oct 2005

Our Ref:CL/QA/79

TESTING CHARGES FOR DICALCIUM PHOSPHATE ANIMAL FEED GRADE AS PER IS 5470:2002

| Sl. No. | Characteristics | Clause no. | Man-Hours | Electricity power Consumed kwh | Cost of consumable including reference material wherever applicable |
|---------|-----------------|------------|-----------|--------------------------------|---|
| A. | Test Parameters | | | | |

| | | | | |
|-----|---|--------------|---|----------------|
| 1. | Particle size | 4.1 | 1 | |
| 2.* | Bacillus Anthracis | 4.2 | | |
| 3.* | Clostridium sp. | | | |
| 4. | The material of animal origin shall not be used | 4.3 | Test method is not specified in the specification | |
| 5. | Moisture | Table 1, 4.4 | 2 | 1 |
| 6. | Calcium (as Ca) | -- do -- | 3 | |
| 7. | Phosphorus (as P) | -- do --- | 3 | |
| 8.* | Fluorine (as F) | -- do -- | 2 | |
| 9. | Acid insoluble ash | -- do -- | 3 | |
| 10. | Lead (as Pb) | -- do -- | 3 | |
| | | | | 1 |
| 11. | Arsenic (as As ₂ O ₃) | -- do -- | 3 | |
| 12. | Total ash | -- do -- | 2 | 2 |
| 13. | Presence of proteinous/ organic impurities | -- do -- | 0.5 | 1 |
| B. | Electricity power consumed | | | 5kwh = 5 units |
| C. | Cost of consumables | | | 200.00 |
| D. | PREPARATION OF TEST REPORT | | 1 | |
| | TOTAL | TIME | 23.5 (rounded to 24 H) | |

* Testing facilities not available.

Testing charges per man-hour are Rs.75.00 . Hence complete testing charges of the product are : $75 \times 24 = \text{Rs.}1800.00 + 5 \times 4 + 200$ (cost of consumables) = Rs.2020.00

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(K.S. Arya)
STA (QA)

D&H(QA)
DDGL

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 07 12

TESTING CHARGES FOR IS 5479:1985 SOLDERS FOR JOINTING ALUMINIUM AND
ALUMINIUM ALLOY

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|----------------|----------------------------|-------------|----------------------|
| (SOFT SOLDERS) | | | |
| 1. | Zinc | 4.1 Table 1 | 3 |
| 2. | Antimony and Arsenic | -do- | 4½ |
| 3. | Iron and Copper | -do- | 4½ |
| 4. | Lead | -do- | 2½ |
| 5. | Bismuth | -do- | 3 |
| 6. | Cadmium | -do- | 2½ |
| 7. | Aluminium | -do- | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| | | | ----- 23 ----- |

(HARD SOLDERS)

| | | | |
|----|----------------------|--------------|----|
| 1. | Silver | 4.2, Table 2 | 3 |
| 2. | Antimony and Arsenic | -do- | 4½ |

| | | | |
|----|----------------------------|------|-------|
| 3. | Iron | -do- | 1½ |
| 4. | Copper | -do- | 3 |
| 5. | Bismuth | -do- | 3 |
| 6. | Cadmium | -do- | 2½ |
| 7. | Aluminium | -do- | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| | | | ----- |
| | TOTAL TIME : | | 20 |
| | | | ----- |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are as follows :

Soft solders :Rs.1725.00

Hard solders :Rs.1500.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1986 12 09

TESTING CHARGES FOR IS 5480:1983 AUTOMOBILE POLISH, PASTE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---|---------------------|-----------|
| 1. | Composition, colour, odour and consistency | 3.1 to 3.4 | 1 |
| 2. | Stability | 3.5 | 1 |
| 3. | Application and performance | 3.6 | 1 |
| 4. | Non-Volatile matter | 3.7 & i) of table 1 | 1½ |
| 5. | Melting point of non- volatile matter | " ii) " | 1½ |

| | | | | | |
|-----|--|-----|-------|---|-----|
| 6. | Ash of non-volatile matter | " | iii) | " | 1 |
| 7. | Acid value of non-volatile matter | " | iv) | " | 1 |
| 8. | pH of water extract | " | v) | " | 1 |
| 9. | Distillation yield of volatile portion between 150° to 275°C | " | vi) | " | 3 |
| 10. | Flash point of volatile portion | " | vii) | " | 2 |
| 11. | Water content | " | viii) | " | 1 |
| 12. | Residue on sieve | " | ix) | " | 2 |
| 13. | Keeping quality (tests 2, 3, 4, 7, 8, 9, & 10) | 3.8 | | | 10½ |

PREPARATION OF TEST REPORT

½

TOTAL TIME :

28

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.2100.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY**(Q.A. Department)**

7 June 2006

Our Ref:CL/QA/79

TESTING CHARGES FOR EC GRADE ALUMINIUM ROD AS PER IS 5484:1997

| Sl.No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- |
|----------------------------------|------------------------------------|--------------|---------------------|---|--|
| ever applicable | | | | | |
| A. | TEST PARAMETERS | | | | |
| 1.. | Dimensions & Permissible variation | 10 | 1 | | |
| 2. | Joints | 11 | 1 | | |
| 3. | Finish & freedom from defects | 12 | 1 | | |
| 4. | Tensile strength | 8, table 1 | 5 | | |
| 5. | Resistivity | 9 | 4 | | |
| Manufacturer as per IS 4026:1987 | | | | | |
| 6. | Silicon (Si) | 7.1, Table 1 | 3 | 6 | 50 |
| 7. | Iron (Fe) | -- do -- | 1.5 | 2.5 | 25 |
| 8. | Copper (Cu) | -- do -- | 2.5 | 2.5 | 25 |
| 9. | Titanium (Ti) | -- do -- | 1.5 | 3 | 50 |
| 10. | Vanadium (V) | -- do -- | 2.5 | 3 | 50 |
| 11. | Chromium (Cr) | -- do -- | 2.5 | 3 | 50 |
| 12. | Zirconium (Zr) by UV Spectrometer | -- do -- | 5 | 3 | 500 |
| B. | Electricity power consumed | | | 23kwh=23 units | |
| C. | Cost of Consumables/CRMs | | | | 750 |
| D. | PREPARATION OF TEST REPORT | | 1 | | |
| | TOTAL | TIME | 31.5h (Rounded 32h) | | |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the products is:

Total Rs.75x32+23x4+750.00=3242 (Rounded = Rs.3240.00)

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(K.S. Arya)
STA(QA)

D&H(QA)

DDGL

The revised BIS testing charges for IS 5487:92 effective from 15-05-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS 5487:92 METAL POLISH, LIQUID

| Sl. No. | CHARACTERISITICS | CLAUSE NO. | MAN-HOURS |
|---------|----------------------------|--------------------------------|-----------|
| 1. | Composition | 4.1 | 0.5 |
| 2. | Polishing & Odour | 4.2 | |
| 3. | Consistency | 4.3 & Annex-A1 | 0.5 |
| 4. | Stability | 4.4 & Annex-A2 | 0.5 |
| 5. | Polishing Property | 4.5 & Annex-A3 | 1 |
| 6. | Acidity of Aqueous Extract | 4.6 & Annex-A4 | 1 |
| 7. | i) Total solids | 4.8 & Annex-A5 (Table li) | 2 |
| | ii) Total Ammonia | 4.8 & Annex-A6 (Table lii) | 2 |
| | iii) Residue on Sieve | 4.8 & Annex-A7 (Table liii) | 1 |
| | iv) Cyanide | 4.8 & Annex-A8 (Table liv) | 0.5 |
| | v) Flash point | 4.8 & Annex-A8 (Table lv) | 0.5 |
| | vi) Oleic Acid content | 4.8 & Annex-A9 (Table lvi) | 1 |
| 8. | Keeping Quality | 4.7 | 5 |
| | PREPARATION OF TEST REPORT | | 0.5 |
| | TOTAL TIME | | --- |
| | | | 16 |
| | | | --- |

Testing charges per man-hour are Rs.300.00. Hence complete testing charges for the product are **Rs.4800.00**

DDGL may kindly approve.

AnuritaJojo

Sc C,LPPD

Head (LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY
(Q.A. Department)

TESTING CHARGES FOR IS 5487:92 METAL POLISH, LIQUID

| Sl. No. | CHARACTERISITICS | CLAUSE NO. | MAN-HOURS |
|---------|----------------------------|--------------------------------|-----------|
| 1. | Composition | 4.1 | 0.5 |
| 2. | Polishing & Odour | 4.2 | |
| 3. | Consistency | 4.3 & Annex-A1 | 0.5 |
| 4. | Stability | 4.4 & Annex-A2 | 0.5 |
| 5. | Polishing Property | 4.5 & Annex-A3 | 1 |
| 6. | Acidity of Aqueous Extract | 4.6 & Annex-A4 | 1 |
| 7. | i) Total solids | 4.8 & Annex-A5 (Table li) | 2 |
| | ii) Total Ammonia | 4.8 & Annex-A6 (Table lii) | 2 |
| | iii) Residue on Sieve | 4.8 & Annex-A7 (Table liii) | 1 |
| | iv) Cyanide | 4.8 & Annex-A8 (Table liv) | 0.5 |
| | v) Flash point | 4.8 & Annex-A8 (Table lv) | 0.5 |
| | vi) Oleic Acid content | 4.8 & Annex-A9 (Table lvi) | 1 |
| 8. | Keeping Quality | 4.7 | 5 |
| | PREPARATION OF TEST REPORT | | 0.5 |
| | TOTAL TIME | | --- |
| | | | 17 |
| | | | --- |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.1275.00.

DDGL may kindly approve.

(V.K. Sethi)
TS (QA)

DCL (QA) Sd/- 12/02
DDGL Sd/- 12/03
TS(QA)

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1988 04 27

TESTING CHARGES FOR IS 5490 (Pt-I):1977 TESTING FOR SODA ACID
PORTABLE FIRE EXTGUISHER.

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------|---|
| 1. | Materials | | |
| | a) Sodium bio carbonate | 2.1 | As per refined grade of IS 2124:74 |
| | b) Glass | 2.2 | |
| | i) Titre value | | 4 |
| | ii) Thermal shock at 40øC | | 2 |
| | c) Sulphuric acid | 2.3 | As per technical grade of IS 266:1977. |
| 2. | Requirements | 3.1 & 3.2 | 1 |
| 3. | Packing including distortion and drop test | 4.1 | 1 |
| 4. | Marking | 5 | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| | | | ----- |
| | TOTAL TIME : | | 9 |
| | | | ----- |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.675.00
excluding material at I a) which shall be levied as per IS 2124:1974.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1988 04 27

TESTING CHARGES FOR IS 5490 (PT-II):1977 REFILLS FOR FOAM TYPE
PORTABLE FIRE EXTINGUISHER

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------------|----------------|---|
| 1. | Material | | |
| | a) Aluminium sulphate | 2.1 | As per technical grade of IS 260:65 |
| | b) Sodium biocarbonate | 2.2 | As per refined grade of IS 2124:1974 |
| | c) Foam forming capacity | 2.2.1 | 1 |
| 2. | Requirements | 3.1, 3.2 & 3.3 | 1 |
| 3. | Packing | 4.1 | ½ |
| 4. | Distortion test and drop test | 4.2 | 1 |
| 5. | Marking | 5 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME :

5

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.375.00
excluding the requirements for material testing at Sl. No. 1 a) & b)
which if required to be tested shall be charged separately.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1988 04 27

TESTING CHARGES FOR IS 5490 (Pt-III):1979 REFILLS FOR SODA ACID
CHEMICAL FIRE ENGINES, 50 LITERS CAPACITY

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---------------------------|-------------|---------------------------------------|
| 1. | Materials | | |
| | a) Sodium bicarbonate | 2.1 | As per refined grade of IS 2124:74 |
| | b) Glass | 2.2 | |
| | i) Titre value | | 3½ |
| | ii) Thermal shock at 40°C | | 1 |

| | | | |
|----|------------------------------------|-----------|---|
| | c) Total acidity of Sulphuric acid | 2.3 | 2 |
| 2. | Requirements | 3.1 & 3.2 | 1 |
| 3. | Packing | 4.1 | 1 |
| 4. | Marking | 5 | ½ |

PREPARATION OF TEST REPORT

½

TOTAL TIME :

9

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.675.00 excluding testing charges for material at Sl. No. 1 a) which shall be added as per IS 2124:1974.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1988 04 27

TESTING CHARGES FOR IS 5490 (PT-IV):1979 REFILLS FOR FOAM
CHEMICAL FIRE ENGINES, 50 LITERS CAPACITY

S NO TESTS CLAUSE REF. MAN-HOURS

1. Material

 a) Aluminium sulphate 2.1 As per technical

grade of IS 260:69

| | | |
|---|----------------|---|
| b) Sodium biocarbonate (with stabilizer) | 2.2 | As per refined grade of IS 2124:1974 |
| c) Foaming capacity | 2.2.1 | 1 |
| 2. Requirements | 3.1, 3.2 & 3.3 | 1 |
| 3. Packing | 4.1 | ½ |
| 4. Distortion test and drop test | 4.2 | 1 |
| 5. Marking | 5 | ½ |
| PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME :

5

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.375.00
excluding material requirements at Sl. No. 1 a) & b) which shall be
levied separately if required to be tested.

APPROVED BY THE COMPETENT AUTHORITY.

The BIS testing charges for IS 5504:1997 effective from 12-02-2018

BUREAU OF INDIAN STANDARDS

WROL, Mumbai

Our Ref.: WROL/TC/Mechanical/ IS 5504

28 November 2017

Testing Charges for Spiral Welded Pipes as per IS 5504 : 1997 including Amendments 4

| Sr. No. | Tests | Clause Ref. | Man Hours |
|----------------|-----------------------------------|--------------------|------------------|
| A | Mechanical Test | | |
| 1 | Tensile Test | Cl.6.1 | 6 |
| 2 | Flattening Tests | Cl.6.2 | 3 |
| 3 | Submerged-Arc Weld Tests | Cl.6.3 | 5 |
| 4 | Lengths | Cl. 8.1 | 0.5 |
| 5 | Wall Thickness | Cl.8.2.1 | 1 |
| 6 | Outside Diameter | Cl.8.2.2 | 0.5 |
| 7 | Ovality | Cl.8.2.3 | 0.5 |
| 8 | Finish | Cl.9 | 1 |
| 9 | Marking | Cl.12 | 0.5 |
| B | Chemical Test | | |
| 10 | Chemical Composition (C,S,P) | Cl. 5.1 | 7 |
| C | Preparation of Test Report | | 1 |
| | Total Man Hours | | 26 |

| | | |
|---|----------|-------------------|
| Electric Power Consumed(@Rs 15 per Unit) | 46 Units | Rs 690.00 |
| Cost of Consumables | | Rs 150.00 |
| Testing Charges per Manhours (@Rs 300/-per Manhours) | 26 hr | Rs 7800.00 |
| Total Testing Charges(Excluding Cl. 5-Chemical Composition) | | Rs 6150.00 |
| Total Testing Charges (including Chemical Composition) (Rs 6150.00 + Rs2490.00) | | Rs 8640.00 |

Rajeshri Nagvekar
LO B, Chemical

S D WARSI,
LO B, Mechanical

OIC(Mech Lab)

Head WROL

As decided by Competent Authority, the testing charges for the product are Rs 8640/-

**(Ankita Tripathi)
Sc.B, LPPD**

HLPPD

DDG (Labs)

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 01 21

TESTING CHARGES FOR IS 5506:1979 50 LITER CAPACITY CHEMICAL FIRE
ENGINE, SODA ACID TYPE (FIRST REVISION, AMENDMENT NO. 1)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------|---|
| 1. | Capacity | 2 | ½ |
| 2. | Material | 4 | |
| □ | a) Steel sheets for body | 4.1 | As per any Gr. of IS 1079:1973 |
| | b) Steel sheets for, cage for acid bottle, strainer and siphon tube | 4.1 | As per Gr. 'C' of 513:1973 |
| | c) Brass sheets for strainer | 4.2 | As per alloy Cu Zn 37 of IS 410:1977 |
| | d) Leadcd Tin bronze for neck ring, cap, nozzle & other discharge fittings. | 4.3 | As per Gr.LTB 2 of IS 318:1981 |
| | e) Extruded brass sections for plunger rod, disc, neck ring, cap, nozzle other discharge fittings | 4.4 | As per Gr. 2 of IS 291:1977 Type 1 of IS 319:74 |
| | f) Washers | | |
| | i) Physical requirements | | As per IS 937:1981 |

ii) Acid/Alkali resistance
test

1

g) Siphon tube

As per alloy No. 2
of IS 410:1977 OR
Copper conforming to
IS 1545:84

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|-------------|--|
| 3. | Shape | 5.1 | ½ |
| 4. | Construction | 6 | |
| | a) General | 6.1 | ½ |
| | b) Body and components | 6.2 to 6.13 | 9 |
| 5. | Chemical charge | 7 | As per IS 5490 (Pt.3):79 |
| 6. | Anti corrosive treatment | 8.1 | |
| | i) Visual Inspection | | ½ |
| | ii) Lead tin alloy coating | | 5 |
| 7. | Painting | 9.1 | |
| | a) Colour | | ½ |
| | b) Paint | | As per IS 2932:1974 (if required to be tested) |

| | | | |
|----|--|-------------|---|
| 8. | Test requirements | 10 | |
| | a) Hydraulic pressure test (if sample is supplied without painting) | 10.1 & 10.2 | 1 |
| | b) Visual examination (after 24 hours) | 10.3 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |

| | |
|--------------|-------|
| TOTAL TIME : | ----- |
| | 20 |
| | ----- |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1500.00
excluding material requirements as per relevant ISS as mentioned
above.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1994 09 06

TESTING CHARGES FOR IS 5507:1979 FOAM TYPE CHEMICAL FIRE ENGINE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---------------------------------|-------------|----------------------------|
| 1. | Capacity | 2.1 | ½ |
| 2. | Material | | |
| | i) Steel Sheet | 4.1 | As per IS 513 |
| | ii) Brass sheet | 4.2 | As per IS 410 |
| | iii) LTB | 4.3 | As per IS 318 |
| | iv) Ext. Brass section | 4.4 | As per IS 319 or IS 291 |
| | v) Washer | 4.5 | As per IS 5382 |
| | vi) Cast Iron | 4.6 | IS 210 |
| | vii) Plastics | | |
| | a) Physical test B.1 of IS 933 | | 4 |
| | b) Bursting pressure test B.2 | | 1 |
| | c) Acid Resistance test B.3.1 | | ½ |
| | d) Alkali resistance test B.3.2 | | ½ |

| | | | |
|----|---------------------|-------|--------------------------------------|
| | e) UV exposure Test | B.3.4 | Testing facility not available at CL |
| 3. | Construction | | |
| | i) General | 6.1 | ½ |
| | ii) Body | 6.2 | ½ |

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------------|----------------|
| | iii) Nick Ring | 6.3 ³ | ½ |
| | iv) Cap. | 6.4 ³ | |
| | v) Spindle | 6.5 ³ | |
| | vi) Metal disc | 6.6 ³ | |
| | vii) Had Wheel | 6.7 ³ | 1 |
| | viii) Liquid level indicator | 6.8 ³ | |
| | ix) Inner container | 6.9 ³ | |
| | x) Hose | 6.10 | ½ |
| | xi) Nozzle & discharge fittings | 6.11 | 1 |
| | xii) Expansion space | 6.13 | 1 |
| | xiii) Wheeled carriage | 6.14 | ½ |
| 4. | Anticorrosive treatment (coating test) | 8.1 | As per IS 3203 |
| 5. | Painting and marking | 9.1 & 11.1 | ½ |
| 6. | Test requirements | | |
| | i) Hydraulic Pr. Test | 10.1 ³ | 2 |
| | ii) Burst Pr. test | 10.2 ³ | |
| | iii) Examination for rusting | 10.3 | ½ |
| | PREPARATION OF TEST REPORT | | 3 |

TOTAL TIME : 18

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1350.00

The testing charges for raw material as and when received shall be as per the relevant ISS which are as follows :

IS 513 = Rs. 675 of physical + Chemical as per test
IS 410 = Rs. 1125
IS 318 = Rs 1625 for castings : Gr LTB 1, LTB2, LTB3, LTB5.
Rs.1500 for Ingots.
Rs.1425 for castings : Gr LTB4 & LTB6.
Rs.1350 for Ingots.
IS 319 = Rs. 825
IS 5382 = Rs. 2400 excl cold resistance & stress
relaxation in compression.
IS 210 = Rs.1275

Testing facility for UV Exposure test on plastic cap is not available at CL.

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 5509:2000 effective from 22-08-2017

**BIS - Central Laboratory
Mechanical Laboratory**

**Our Ref:
CL/Mech/PTE/IS5509**

Dt 10 07 2017

**Proposal for the Time Estimate of Fire Retardant Plywood
Sub: (IS 5509:2000)**

| Sl. No. | Clause No. | Requirements /Characteristics | Manhour Spent in testing | Manhour cost of testing (@300/manhour) | Power consumption (in KW/hr) | Cost of power (@9 per KW/hr) | Consumable cost (if significant) | Total Cost of test | Remarks |
|---------|------------|---|--------------------------|--|------------------------------|------------------------------|----------------------------------|--------------------|------------------------------------|
| 1 | 8 | Dimensions and tolerances | 2 | 600 | 0 | 0 | 0 | 600 | |
| 2 | 9 | Workmanship & Finish | 0.5 | 150 | 0 | 0 | 0 | 150 | |
| 3 | 12 | Test Requirements | | | | | | | |
| i) | 12.2 | Moisture content | 5 | 1500 | 50 | 450 | 0 | 1950 | |
| ii) | 12.3.1 | Flammability | - | - | - | - | - | - | Test Facility not Available |
| iii) | 12.3.2 | Flame Penetration | - | - | - | - | - | - | |
| iv) | 12.3.3 | Rate of Burning | - | - | - | - | - | - | |
| 4 | 12.4 | Other Tests | | | | | | | |
| i) | - | Water Resistance test | 3 | 900 | 230 | 2070 | 0 | 2970 | |
| ii) | - | Static Bending Strength | 3.5 | 1050 | 1.5 | 13.5 | 0 | 1063.5 | |
| 5 | | Preparation of test report and calculations | 1.5 | 450 | 0 | 0 | 0 | 450 | |

Hence, Complete testing charges for the above product is Rs. 7183.50

Note :

- 1) Above testing charges are for Mechanical Testing only.
- 2) Required sample size for testing: 1 No. full size of plywood.

Testing Personnel

OIC(Mech)

OIC(QA)

As decided by CA, testing charges are Rs. 7184/- excl. flame penetration, flammability and rate of burning test

(Ankita Tripathi)

Sc.B, LPPD

**Head, LPPD
DDGL**

Please Refer to Revised Testing Charges mentioned above
BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1989 02 27

TESTING CHARGES FOR IS 5509:1980 FIRE RETARDANT PLYWOOD

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|----------------------------|-------------|-------------------------------|
| 1. | Dimensions & tolerances | 7 | 1 |
| 2. | Workmanship & finish | 8 | ½ |
| 3. | Moisture content | 10.2 | 1 |
| 4. | Flammability | 10.3.1 | 1½ |
| 5. | Flame penetration | 10.3.2 | 1½ |
| 6. | Rate of burning | 10.3.3 | 1½ |
| 7. | Retention of preservatives | 10.4 | As per IS 2753 (Pt.1):1964 |
| 8. | Glue shear strength (dry) | 10.5 | 2 |
| 9. | Mycological test | 10.5 | 3 |
| 10. | Water resistance test | 10.5 | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 15 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1125.00
excluding preservative retention test at 7 above.

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 5513:1996 effective from 15-04-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS: 5513:1996 VICAT APPARATUS

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|----------------------------|------------|-----------|
| 1. | General | 5.1 | 0.5 |
| 2. | Needles | 5.2 | 1.5 |
| 3. | Plunger | 5.3 | 0.5 |
| 4. | i) Movable rod | 5.4 | 1 |
| | ii) Graduated scale | 5.5 | |
| 5. | Vicat Mould | 5.6 | 0.5 |
| 6. | Mass | 5.7 | 0.5 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ---- |
| | TOTAL TIME (Rounded) | | 6 |

Testing charges per man-hour are Rs.300.00. Hence complete testing charges for the product are **Rs.1800.00**

DDGL may kindly approve.

Anurita Jojo
Sc C,LPPD

Head (LPPD)
DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref:CL/QA/14:0

2001-09-10

TESTING CHARGES FOR IS: 5513:1996 VICAT APPARATUS

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|----------------------------|------------|-----------|
| 1. | General | 5.1 | 0.5 |
| 2. | Needles | 5.2 | 1.5 |
| 3. | Plunger | 5.3 | 0.5 |
| 4. | i) Movable rod | 5.4 | 1 |
| | ii) Graduated scale | 5.5 | |
| 5. | Vicat Mould | 5.6 | 0.5 |
| 6. | Mass | 5.7 | 0.5 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ---- |
| | TOTAL TIME (Rounded) | | 6 |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.450.00

DG may kindly approve.

(V.K. Sethi)
TS(QA)

D&H(QA)
DDGL
ADGT

DG

The revised BIS testing charges for IS 5514:1996 effective from 15-04-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS: 5514:1996 APPARATUS USED IN LE-CHATELIER TEST

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|--|------------|-----------|
| 1. | a) Construction (including resilience test) | 2.1 | 1.5 |
| | b) | 2.2 | 1 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ---- |
| | TOTAL TIME (Rounded) | | 4 |

Testing charges per man-hour are Rs.300.00. Hence complete testing charges for the product are **Rs.1200.00**

DDGL may kindly approve.

Anurita Jojo
Sc C,LPPD

Head (LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref:CL/QA/14:0

2001-09-10

TESTING CHARGES FOR IS: 5514:1996 APPARATUS USED IN LE-CHATELIER TEST

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|--|------------|-----------|
| 1. | a) Construction (including resilience test) | 2.1 | 1.5 |
| | b) | 2.2 | 1 |
| | PREPARATION OF TEST REPORT | | 1 |
| | TOTAL TIME (Rounded) | | 4 |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.300.00

DG may kindly approve.

(V.K. Sethi)
TS(QA)

D&H(QA)
DDGL
ADGT
DG

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1984 03 23

TESTING CHARGES FOR IS 5515:1983 COMPACTING FACTOR APPARATUS (FIRST
REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|---------------|--------------------|
| 1. | Dimensions | 2.1 & Table 1 | 2 |
| 2. | Construction and marking | 3 & 4 | 2 |
| 3. | Material (if to be tested) | | |
| | Brass | 3.2 | As per IS 292:1961 |
| | or | | |
| | Cast Iron | do | As per IS 210:1978 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 5 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.300.00
excluding material testing at 3 above, which shall be levied extra if
required to be tested.

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 5516:1996 effective from 15-04-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS: 5516:1996 VARIABLE FLOW TYPE AIR-PERMEABILITY APPARATUS (BLAINS TYPE)

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|----------------------------|------------|-----------|
| 1. | Dimensions | 4 | 1 |
| 2. | Permeability cell | 6.1 | 0.5 |
| 3. | Perforated Disc | 6.2 | 0.5 |
| 4. | Plunger | 6.3 | 0.5 |
| 5. | Filter paper discs | 6.4 | 0.5 |
| 6. | Monometer | 6.5 | 0.5 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ---- |
| | TOTAL TIME (Rounded) | | 5 |

Testing charges per man-hour are Rs.300.00. Hence complete testing charges for the product are **Rs.1500.00**
DDGL may kindly approve.

Anurita Jojo
Sc C,LPPD

Head (LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref:CL/QA/14:0

2001-09-10

TESTING CHARGES FOR IS: 5516:1996 VARIABLE FLOW TYPE AIR-PERMEABILITY APPARATUS (BLAINS TYPE)

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|----------------------------|------------|-----------|
| 1. | Dimensions | 4 | 1 |
| 2. | Permeability cell | 6.1 | 0.5 |
| 3. | Perforated Disc | 6.2 | 0.5 |
| 4. | Plunger | 6.3 | 0.5 |
| 5. | Filter paper discs | 6.4 | 0.5 |
| 6. | Monometer | 6.5 | 0.5 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ---- |
| | TOTAL TIME (Rounded) | | 5 |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.375.00

DG may kindly approve.

(V.K. Sethi)
TS(QA)

D&H(QA)
DDGL
ADGT

DG

The revised BIS testing charges for IS 5517:1993 effective from 12-02-2018

BUREAU OF INDIAN STANDARDS

CENTRAL LABORATORY

(Quality Assurance Department)

Ref: CL/QA/Testing Charges/5517

13.10.2017

Based on the inputs received from testing section, the testing charges as per **IS 5517:1993 (Amnd-2)**

STEELS FOR HARDENING AND TEMPERING is as below:

| S. No. | Requirement/Characteristics | IS/Clause | Man-hours | Power (kWh) | Consumables | Remarks |
|---------------|------------------------------------|------------------|------------------|--------------------|--------------------|----------------|
| 7. | Freedom from defects | Cl. 5 | 0.5 | - | - | - |
| 8. | Chemical Composition | Cl. 6 | * | - | - | - |
| 9. | Hardness | Cl. 8 | 4 | 10 | - | - |
| 10. | Tensile Test | Cl. 9 & Table 5 | 4 | 10 | - | - |
| 11. | Izod Impact Test | Cl. 9 & Table 5 | 2 | - | - | - |
| 12. | Grain Size | Cl. 10 | ** | - | - | - |
| 13. | Cleanliness of Steel | Cl. 11 | ** | - | - | - |
| 14. | Hardenability | Cl. 12 | ** | - | - | - |
| 15. | Dimensional Tolerances | Cl. 13 | 1 | - | - | - |
| 16. | Additional Tests | Cl. 16 | ** | - | - | - |
| | Report Preparation | | 1 | | | - |
| | Total | | 12.5 | 20 | - | - |

*Testing charges for Chemical composition as per relevant ISS.

**Test Facility not available at CL.

Testing charges = 12.5 x 300 + 20 x 9 = Rs. 3930.00 + testing charges as per relevant ISS.

OIC (QA)

Head (CL)

DDGL

As decided by Competent Authority, the testing charges for the product are Rs 13670/- excluding Grain size, Cleanliness of steel, Hardenability and additional tests For elements other than Table-2: Rs 1004/- per element

(Ankita Tripathi)
Sc.B, LPPD

HLPPD

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above
BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1991 10 22

TESTING CHARGES FOR IS 5517:1978, STEELS FOR HARDENING AND
TAMPERING.

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------|-----------|
| 1. | Freedom from defects | 4 | ½ |
| 2. | Hardens (when annealed) | 7 | 2 |
| 3. | Mechanical properties (applicable to steel supplied in hardened & tempered condition) | 8 | 4 |
| 4. | Impact Test | 8 | 3 |
| 5. | Dimensional Tolerances | 10 | ½ |
| 6. | Finish & Marking | 14 & 15 | ½ |
| 7. | Chemical composition | 5 | 11 |
| | a) Carbon | | 1 |
| | b) Silicon | | 2½ |
| | c) Manganese | | 2½ |
| | d) Nickel | | 2½ |

| | |
|---------------|----|
| e) Chromium | 2½ |
| f) Molybdenum | 2 |
| g) Sulphur | 2 |
| h) Phosphorus | 2 |
| i) Aluminium | 2 |
| j) Vanadium | 3½ |

PREPARATION OF TEST REPORT ½

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product shall be levied depending upon the tests to be carried out as per grade of steel & elements present in the specific grade of steel.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1983 03 18

TESTING CHARGES FOR IS 5520:1969 WOODEN LASTS FOR HEAVY DUTY BOOTS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-----------------------------------|---------------|---------------------|
| 1. | Materials | 3.1 | |
| | a) Weed for last | 3.1.1 | 1 |
| | b) Hinge pin and springs | 3.1.2 & 3.1.3 | |
| | i) Dimensional check | | ½ |
| | ii) Steel | | As per IS 4454:1967 |
| | c) Bottom full plate & steel tube | | ½ |
| | d) Nails & screws | 3.1.6 & 3.1.7 | |
| | i) Dimensional check | | ½ |
| | ii) Material | | As per IS 451:1961 |
| | e) Leather top | 3.1.8 | ½ |
| 2. | Construction & finish | 3.2 | 6 |
| 3. | Design | 3.3 | ½ |
| 4. | Dimensions | 3.4 | 1½ |
| 5. | Packing and marking | 4 & 5 | ½ |

PREPARATION OF TEST REPORT

½

TOTAL TIME :

12

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.900.00 □
excluding material testing as per relevant ISS.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY
(Q.A. Department)
26 Oct 2006

Our Ref:CL/QA/79

TESTING CHARGES FOR STAINLESS STEEL SHEETS & STRIPS FOR UTENSILS AS PER IS 5522:1992

| Sl.No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- ever applicable |
|--------|--|-------------|-----------|---|--|
| A. | TEST PARAMETERS | | | | |
| 1. | Freedom from defects | 6 | 0.5 | | |
| 2. | Chemical composition | 7 | | | |
| | i) Carbon | | 2 | 2kwh | 50.00 |
| | ii) Silicon | | 3 | 4kwh | 100.00 |
| | iii) Manganese | | 3 | 1kwh | 50.00 |
| | iv) Nickel | | 3 | 2kwh | 50.00 |
| | v) Chromium | | 3 | 2kwh | 50.00 |
| | vi) Sulphur | | 2 | 2kwh | 50.00 |
| | vii) Phosphorus | | 3 | 2kwh | 50.00 |
| 3. | Tensile test& elongation | 8.1- | 4 | | |
| 4. | Hardness Test | 8.3 | 3 | | |
| 5. | Erichsen cupping test (applicable for sheets of drawing, deep drawing & extra deep drawing having thickness 0.5mm to 1.6mm) | 8.4 | 3 | | |
| 6. | Dimensions & Tolerances | 9&10 | 1 | | |
| 7. | Camber | 10.2 | 1 | | |
| B. | Electricity power consumed | | | 15kwh | |
| C. | Cost of Consumables/CRMs | | | | 400.00 |
| D. | PREPARATION OF TEST REPORT | | 2 | | |
| | TOTAL | TIME | 34 | | |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the products is:

Total Rs.34x75+15x4+400=Rs.3010.00

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(K.S. Arya)
STA(QA)

D&H(QA)
DDGL

BIS CENTRAL LABOATORY

The revised BIS testing charges for IS 5531:1988 effective from 15-04-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

Testing charges for is 5531:1988 CAST IRON SPECIALS FOR ASBESTOS-CEMENT PRESSURE PIPES FOR WATER, GAS AND SEWAGE

| SL. NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|---------|---|------------|-----------|
| 1. | Manufacture | 3 | 2 |
| 2. | Mech. Test if test bars supplied (tensile & hardness) | 4 | 8 |
| 3. | Hydrostatic test | 5 | 8 |
| 4. | Dimensions & Mass | 6 | 2 |
| 5. | Test for coating | 8 | 4 |
| | PREPARATION OF TEST REPORT | | 2 |
| | TOTAL TIME | | --- |
| | | | 26 |

Testing charges per man-hour is Rs.300.00. Hence complete testing charges for the product are **Rs.7800.00**

DDGL may kindly approve.

Anurita Jojo
Sc C,LPPD

Head (LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref:CL/QA/LAB/14:0

2000-11-30

Testing charges for is 5531:1988 CAST IRON SPECIALS FOR ASBESTOS-CEMENT PRESSURE PIPES FOR WATER, GAS AND SEWAGE

| SL. NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|---------|---|------------|-----------|
| 1. | Manufacture | 3 | 2 |
| 2. | Mech. Test if test bars supplied (tensile & hardness) | 4 | 8 |
| 3. | Hydrostatic test | 5 | 8 |
| 4. | Dimensions & Mass | 6 | 2 |
| 5. | Test for coating | 8 | 4 |
| | PREPARATION OF TEST REPORT | | 2 |
| | TOTAL TIME | | --- |
| | | 26 | |

Testing charges per man-hour is Rs.75.00. Hence complete testing charges for the product are Rs.195.0.00.

DG may kindly approve.

Sd/-
(V.K. Sethi)
TS (QA)

DCL (QA) Sd/-12/11
DDGL We may approve. Sd/- 2000/12 /19
ADGT Sd/- 12/20

The revised BIS testing charges for IS 5557:2004 effective from 23-08-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref : LPPD/54:1

08-07-2016

TESTING CHARGES FOR INDUSTRIAL & PROTECTIVE RUBBER KNEE & ANKLE BOOTS AS PER IS 5557:2004

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- ever applicable |
|---------------------------|-----------------------------|------------------|-----------|--------------------------------------|--|
| A. TEST PARAMETERS | | | | | |
| 1. | Design | 5.1.1 | 1 | | |
| 2. | Size | 5.1.2 | 1 | | |
| 3. | Thickness | 5.1.3, Table 1 | 4 | | |
| 4. | Material(Rubber components) | 5.1.4.1, Table 2 | 20 | | |
| 5. | Fabric | 5.1.4.2 | 10 | | |
| 6. | Steel toe cap | 5.1.4.3 | 7 | | |
| 7. | Construction | 5.1.6.1 | 2 | | |
| 8. | Material requirements | Table 3 | 4 | | |
| 9. | Physical requirements | | | | |
| | a) Heat treatment | 5.1.7.1 | 2 | 12kwh | |
| | b) Composite strength | 5.1.7.2 | 4 | 6kwh | |
| | c) Flexing Endurance | 5.1.7.3 | 14 | 15kwh | |
| | d) Leakage resistance | 5.1.7.4 | 2 | | |

| | | | | | |
|-----|----------------------------|---------|----|---------------|--------|
| | e) Consolidation | 5.1.7.5 | 3 | | |
| 10. | Performance | 5.1.7.6 | 3 | | |
| 11. | Height | 5.1.7.7 | 2 | | |
| 12. | Resistance to Oil | 5.1.7.8 | 4 | 2kwh | 500.00 |
| B. | Electricity power consumed | | | 35kwh=35units | |
| C. | Cost of Consumables/CRMs | | | | 500.00 |
| | | | | | |
| D. | PREPARATION OF TEST REPORT | | 2 | | |
| | TOTAL | TIME | 85 | | |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the products is:

$$\text{Total Rs. } 85 \times 75 + 35 \times 4 + 500 = \text{Rs. } 7015.00$$

The proposal is made on the basis of information received from testing lab.

As decided, the testing charges have been doubled and the complete testing charges are $2 \times 7015 = \text{Rs. } 14030.00$

DDGL may kindly approve.

Sc.E, LPPD

(P. Rajesh))

Head, LPPD

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

7 June 2006

Our Ref:CL/QA/79

TESTING CHARGES FOR INDUSTRIAL & PROTECTIVE RUBBER KNEE & ANKLE BOOTS AS PER IS 5557:2004

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- ever applicable |
|--------------------------------------|-----------------------------|------------------|-----------|--------------------------------------|--|
| A. TEST PARAMETERS | | | | | |
| 1. | Design | 5.1.1 | 1 | | |
| 2. | Size | 5.1.2 | 1 | | |
| 3. | Thickness | 5.1.3, Table 1 | 4 | | |
| 4. | Material(Rubber components) | 5.1.4.1, Table 2 | 20 | | |
| 5. | Fabric | 5.1.4.2 | 10 | | |
| 6. | Steel toe cap | 5.1.4.3 | 7 | | |
| 7. | Construction | 5.1.6.1 | 2 | | |
| 8. | Material requirements | Table 3 | 4 | | |
| 9. | Physical requirements | | | | |
| | a) Heat treatment | 5.1.7.1 | 2 | 12kwh | |
| | b) Composite strength | 5.1.7.2 | 4 | 6kwh | |
| | c) Flexing Endurance | 5.1.7.3 | 14 | 15kwh | |
| | d) Leakage resistance | 5.1.7.4 | 2 | | |
| | e) Consolidation | 5.1.7.5 | 3 | | |
| 10. | Performance | 5.1.7.6 | 3 | | |
| 11. | Height | 5.1.7.7 | 2 | | |
| 12. | Resistance to Oil | 5.1.7.8 | 4 | 2kwh | 500.00 |
| B. | Electricity power consumed | | | 35kwh=35units | |
| C. | Cost of Consumables/CRMs | | | | 500.00 |
| D. PREPARATION OF TEST REPORT | | | | | |
| | | | 2 | | |
| | TOTAL | TIME | 85 | | |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the products is:

Total Rs.85x75+35x4+500=Rs.7015.00

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(K.S. Arya)
STA(QA)

D&H(QA)
DDGL

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1988 03 15

TESTING CHARGES FOR IS 5560:1970 COMPOUNDED FEETS
FOR YOUNG STOCK

| S NO | TESTS | CLAUSE REF. | MAN-HOURS | |
|----------------------------|--------------------|-------------------|----------------------|---------------------|
| | | | Calf starter Meal | Calf growth Meal |
| 1. | Description | 4.1 | ½ | ½ |
| 2. | Moisture | 4.3 & i) of tab 1 | 1 | 1 |
| 3. | Crude protein | ii) | 3 | 3 |
| 4. | Crude fat | iii) | 2 | N.A |
| 5. | Crude Fiber | iv) | 3 | 3 |
| 6. | Total ash | v) | 1 | 1 |
| 7. | Acid insoluble ash | vi) | 1½ | 1½ |
| PREPARATION OF TEST REPORT | | | ½ | ½ |
| TOTAL TIME : | | | 13 | 11 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are as follows :

For calf starter meal Rs.975.00

For calf growth meal Rs.825.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1985 03 08

TESTING CHARGES FOR IS 5592:1981 MONOCHLORD ACETIC ACID

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---|-----------------|-----------|
| 1. | Description | 3.1 | ½ |
| 2. | Setting point | i) of table 1 | 1½ |
| 3. | Monochlord acetic acid | ii) of table 1 | 2 |
| 4. | Dichloroacetic acid | iii) of table 1 | 2½ |
| 5. | Sulphated ash | iv) of table 1 | 1½ |
| 6. | Total ionizable chloride as Cl | v) " | 1 |
| 7. | Sulphates (as SO ₄) | vi) " | 1½ |
| 8. | Substance darkened by concentrated sulphuric acid | vii) " | 1½ |
| 9. | Heavy metals (as Pb) | viii) " | 2 |

| | | | | |
|-----|----------------------------|-----|---|---|
| 10. | Iron salts (as Fe) | ix) | " | 2 |
| 11. | Nitrogen compounds (as N) | x) | " | 2 |
| | PREPARATION OF TEST REPORT | | | ½ |

TOTAL TIME : -----
18

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1350.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1983 09 19

TESTING CHARGES FOR IS 5593:1980 BELT FASTENERS (ALLIGATOR
TYPE) (FIRST REVISION)

S NO TESTS CLAUSE REF. MAN-HOURS

| | | | |
|----|------------------------------------|---|----------------------------------|
| 1. | Material (if required to be tested | 2 | |
| | a) Steel sheets | | As per IS 512:1973 For type D |
| | b) Steel wire | | As per IS 280:1972 |
| 2. | Dimensions | | |

| | | | |
|----|----------------------------|-----|---|
| | a) Fasteners | 3.1 | 1 |
| | b) Pins | 3.2 | ½ |
| 3. | Manufacture | 4 | ½ |
| 4. | Breaking strength | 6 | 2 |
| | PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME :

5

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.375.00
excluding the charges for testing material at 1.

APPROVED BY THE COMPETENT AUTHORITY.

The BIS testing charges for IS 5604:1984 effective from 16-05-2018

BUREAU OF INDIAN STANDARDS

CENTRAL LABORATORY

(Quality Assurance Department)

Ref: CL/QA/Testing Charges/5604

13-03-2018

Based on the inputs received from testing section, the testing charges as per **IS 5604:1984 (Amnd-nil)**

SPECIFICATION FOR HAND-OPERATED UNIVERSAL GEARLESS PULLING AND LIFTING MACHINES is as below:

| S. No. | Requirement/Characteristics | IS/Clause | Man-hours | Power (kWh) | Consumables | Remarks |
|---------------|------------------------------------|------------------|------------------|--------------------|--------------------|--------------------------|
| 17. | Material | Cl. 3 | - | - | - | - |
| | a. Chemical composition | Cl. 3.1 | * | - | - | - |
| | b. Mechanical properties | Cl. 3.2 | 4 | - | - | Prepared test piece only |
| | i. Tensile strength | | | - | - | - |
| | ii. Elongation | | | - | - | - |
| | iii. Izod impact value | | | - | - | - |
| | iv. Hardness (BHN) | | | - | - | - |
| 18. | Construction and workmanship | Cl. 5 | 2 | - | - | Visual tests only |
| 19. | Operation | Cl. 7 | 1 | - | - | Except back slippage |
| 20. | Tests | Cl. 9 | - | - | - | - |
| | a. Proof loading | Cl. 9.1 | ** | - | - | - |
| | b. Operational test | Cl. 9.2 | ** | - | - | - |
| | c. Break loading test | Cl. 9.3 | 2 | 2 | - | - |

| | | | | | | |
|--|--------------------|---------|------|---|---|---|
| | d. Examination | Cl. 9.4 | 0.5 | - | - | - |
| | Report Preparation | | 1 | - | - | - |
| | Total | | 10.5 | 2 | - | - |

*Testing charges as per referred ISS.

**Test facility not available at CL.

Testing charges = $10.5 \times 300 + 2 \times 9 = \text{Rs. } 3168.00$ + testing charges as per referred ISS (excluding Back slippage) (only Visual tests as per Cl. 5).

OIC (QA)

Head (CL)

DDGL

As decided by Competent Authority, the testing charges for the product are Rs. 3168/- + testing charges as per referred ISS (excluding Back slippage) (only Visual tests as per Cl. 5).

**(Ankita Tripathi)
Sc.B, LPPD**

HLPPD

DDG (Labs)

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1993 07 30

TESTING CHARGES FOR IS 5635:1983 AUTOMOTIVE V-BELT (SECTION-1)

| S NO | TESTS | CLAU | SE REF. | MAN-HOURS |
|------|----------------------------|------|---------|-----------|
| 1. | Materials | 3 | 3 | |
| 2. | Dimensions | 4 | 3 | 4½ |
| 3. | Quality of Manufacture | 5 | | ½ |
| 4. | Marking | 6 | 3 | |
| 5. | Designation | 7 | 3 | ½ |
| 6. | Tensile test | 9.1 | | 3½ |
| 7. | Optional Test | | | |
| | a) Fatigue Test | 9.2 | | 5 |
| | PREPARATION OF TEST REPORT | | | ½ |

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.750.00 excluding optional tests which are to be charged extra, when tested.

APPROVED BY THE COMPETENT AUTHORITY.

BIS LABORATORY POLICY & PLANNING DEPTT

Our Ref: LPPD/52:2

25.05.2015

TESTING CHARGES FOR IS 5637:1970 - WATERMELON SEED OIL FOR COSMETIC INDUSTRY

| SL. No. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|---------|--|-----------------------------|-----------|
| 1 | Description & Clarity | 3.2 & 3.2.1 | 0.5 |
| 2 | Admixture with Other Oils | 3.3 | 11 |
| 3 | Moisture and Insoluble Impurities | 7.1 & 3.4, (i) of Table 1 | 3 |
| 4 | Colour | 7.1 & 3.4, (ii) of Table 1 | 0.5 |
| 5 | Refractive Index | 7.1 & 3.4, (iii) of Table 1 | 1 |
| 6 | Saponification Value | 7.1 & 3.4, (iv) of Table 1 | 2 |
| 7 | Iodine Value | 7.1 & 3.4, (v) of Table 1 | 2 |
| 8 | Acid Value | 7.1 & 3.4, (vi) of Table 1 | 1 |
| 9 | Unsaponifiable Matter | 7.1 & 3.4, (vii) of Table 1 | 3 |
| 10 | Optional Requirement for ECOMARK | 3.5 | |
| (i) | Aflatoxin | 3.5.2.1 | 5 |
| (ii) | Toxic Elements (Lead, Arsenic, Cadmium, Mercury) | 3.5.2.4, Table 2 | 8 |
| | PREPARATION OF TEST REPORT | | 1 |
| | TOTAL TIME (with Ecomark) | | 38 |

TOTAL TIME (without Ecomark)

24

| | |
|---|-------------|
| TESTING CHARGES (with Ecomark), in Rs. (@ Rs. 300.00/- per Man-Hour) | Rs. 11400/- |
| TESTING CHARGES (without Ecomark), in Rs. (@ Rs. 300.00/- per Man-Hour) | Rs. 7200/- |
| COST OF CONSUMABLES, in Rs. | Rs. 1000/- |
| COMPLETE TESTING CHARGES FOR THE PRODUCT (with Ecomark) | Rs. 12400/- |
| COMPLETE TESTING CHARGES FOR THE PRODUCT (without Ecomark) | Rs. 8200/- |

DDGL may kindly approve.

Varsha
Gupta
Sc-B

Head (LPPD)

DDG (Labs)

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

19

TESTING CHARGES FOR IS 5660:1970 READY MIXED PAINT, BRUSHING.
ALUMINIUM RED OXIDE PRIMER

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--------------------------|-------------------|-----------|
| 1. | Resistance to self spray | 3.2 | 2 |
| 2. | Drying Time | 3.3 i) of table 1 | 3 |
| 3. | Consistency | ii) " | 3 |
| 4. | Finish | iii) " | 3 |

| | | | | | |
|-----|---|--------|---|---|---|
| 5. | Colour | iv) | " | 3 | |
| 6. | Scratch Hardness | v) | " | | 1 |
| 7. | Flexibility & Adhesion | vi) | " | | 1 |
| 8. | Protection against corrosion under conditions of condensation | vii) | " | | 2 |
| 9. | Flash point | viii) | " | | |
| 10. | Weight in kg/10 liters | 3.4 | | | 1 |
| 11. | Keeping properties | 3.3xi) | " | | 9 |
| 12. | Optional Requirements | 3.5 | | | |
| | a) Spreading capacity | | | | 1 |
| | b) Spreading time | | | | 1 |
| | c) Wet Opacity | | | | 1 |
| | PREPARATION OF TEST REPORT | | | | ½ |

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.825.00 excluding keeping properties & optional tests.

Extra charges for optional tests are :Rs.225.00

Extra charges for keeping properties are :Rs.675.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 5692:1992 effective from 24-03-2017

BIS CENTRAL LABORATORY
(Q.A. DEPARTMENT)

TESTING CHARGES FOR IS 5672:1992 MINERAL MIXTURE FOR SUPPLEMENTING POULTRY FEEDS

| S.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS | POWER (KwH) | CONSUMABLES |
|----------------------------|---|---------------------------|---|-------------|-------------|
| 1. | Description (including Sieving requirement) | 3.2, 3.3 | 1 | - | - |
| 2. | Moisture | Table 1, Cl.3.4 & 6.1 (i) | 1 | 4 | - |
| 3. | Calcium | (ii) | -----Ref test method ISS withdrawn----- | | |
| 4. | Phosphorus | (iii) | 3 | - | 100 |
| 5. | Iron | (iv) | 3 | 1 | 100 |
| 6. | Iodine | (v) | 3 | 3 | 100 |
| 7. | Copper | (vi) | 2 | 1 | 100 |
| 8. | Manganese | (vii) | 3 | 18 | 100 |
| 9. | Fluorine | (viii) | 3 | 18 | 200 |
| 10. | Zinc | (ix) | 3 | 2 | 500 |
| 11. | Acid insoluble ash | (x) | 3 | 21 | 50 |
| 12. | Spores of Bacillus anthracis* | Cl. 3.5 | - | | |
| 13. | Clostridium sp. Spores* | Cl. 3.5 | - | | |
| PREPARATION OF TEST REPORT | | | 1 | | |
| TOTAL | | | 26 | 68 | 1250 |

* Testing facility is not available at CL for these tests.

Testing charges per man-hour=Rs 300

Power consumption per unit =Rs 9

Total testing charges =Rs 26x300+68x9+1250= Rs 9662/-, Rounded off Rs.9700/-

CA may kindly approve.

Rajendra K.Palsania

LO-B

OIC (Chem)
Head, CL

As decided by the CA, testing charges are Rs.9700/- excluding spores of bacillus anthraces and clostridium S.P. Spores

(Kshitij Bathla)
SC.B, LPPD

Head, LPPD
DDGL

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. DEPARTMENT)**

Our Ref: Lab/14.0

1998 03 10

TESTING CHARGES FOR IS 5672:1992 MINERAL MIXTURE FOR SUPPLEMENTING POULTRY FEEDS

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|---|---------------------|-----------|
| 1. | Description (including sieving requirement) | 3.2 | 1 |
| 2. | Moisture | 3.4 & i) of Table 1 | 1 |
| 3. | Calcium | ii) “ | 3 |
| 4. | Phosphorus | iii) “ | 3 |
| 5. | Iron | iv) “ | 2 |
| 6. | Iodine | v) “ | 3 |
| 7. | Copper | vi) “ | 4 |
| 8. | Manganese | vii) “ | 3 |
| 9. | Fluorine | viii) “ | 3 |
| 10. | Zinc | ix) “ | 3 |
| 11. | Acid insoluble ash | x) “ | 3 |
| 12. | Spores of Bacillus anthracis | 3.5 “ | 7.5 * |
| 13. | Clostridium sp. Spores | | 21 * |
| | PREPARATION OF TEST REPORT | | 0.5 |
| | | | ----- |
| | TOTAL TIME : | | 58 |
| | | | ----- |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are Rs. 4350.00.

- Testing facility is not available at CL for these tests.

DDGL may kindly approve.

(V.K.Sethi)
TS (QA)

DCL(QA)
DDGL
TS (QA)

The revised BIS testing charges for IS 5676:1995 effective from 22-08-2017

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

05-07-2017

TESTING CHARGES FOR IS 5676:1995 (Amnd-nil) MOULDED SOLID RUBBER SOLE AND HEELS (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-----------------------|---------------|-----------|
| 1. | Requirements: | | |
| a) | General | 5.1 | ½ |
| b) | Design | 5.2 | ½ |
| c) | Construction | 5.3 & 5.3.1 | 1 |
| d) | Size | 5.4 | ½ |
| e) | Thickness | 5.5 & Table 1 | 1 |
| 2. | Channel | 5.6 & 5.6.1 | 1 |
| 3. | Physical Requirements | 5.7 & Table 2 | |
| a) | Relative density | | 1 |
| b) | Hardness | | 1 |
| c) | Tensile Strength | | 1 |
| d) | Elongation at break | | 1 |
| e) | Flexing Resistance | | 3 |

| | | |
|-------------------------------------|---|----|
| f) Change in Hardness | | ½ |
| g) Change in Tensile Strength | | 1 |
| h) Change in Elongation at break | | 1 |
| j) Compression Set | | 2 |
| 7. Marking and packing | 6 | ½ |
| PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | 17 |

Testing charges per man-hour are Rs. 300.00.
Hence complete testing charges for the product are: Rs.5100.00

Sheesh Pal
(LO-A)

OIC(Mech)

OIC(QA)

Head (CL)

As decided by CA, testing charges are Rs. 5100/-

(Ankita Tripathi)

Sc.B, LPPD

Head, LPPD
DDGL

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1991 11 13

TESTING CHARGES FOR IS 5676:1987 MOULDED SOLID RUBBER SOLE AND
HEELS (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|---------------|---------------------------------------|
| 1. | Material | 3.1 & 3.1.1 | ½ |
| 2. | Design | 3.2 | ½ |
| 3. | Construction | 3.3 & 3.3.1 | 1 |
| 4. | Thickness | 3.5 | 1 |
| 5. | Channel | 3.6 & 3.6.1 | 1 |
| 6. | Physical Requirements | 3.7 & Table 1 | |
| | a) Relative density | | 1 |
| | b) Hardness | | 1 |
| | c) Abrasion Index | | 3 |
| | | | Testing facility not available at CL. |
| | d) Flexing Resistance | | 3 |
| | e) Change in Hardness | | ½ |
| 7. | Marking and packing | 4.1 & 4.2 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME :

14

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1050.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1989 07 19

TESTING CHARGES FOR IS 5682:1981 OPEN TOP DRUMS AND KEGS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-----------------------|-------------|---|
| 1. | Material | | |
| | a) Steel Sheet | 3.1 | As per IS 513:1973 OR As per IS1079:1973 |
| | b) Thickness of Sheet | 3.1.1 | ½ |
| 2. | Dimensions & Capacity | 4 | 2 |
| 3. | Manufacture | 5 | 2½ |
| 4. | Leakage Test | 6.1 | 2 |
| 5. | *Drop Test | 6.2 | Facilities not <input type="checkbox"/> available at CL. |
| 6. | Hydrostatic Test | 6.3 | 3 |

| | | | |
|----|---|-----|---|
| 7. | Handle pull test (for drums upto and including 50 l capacity) | 5.7 | 1 |
| | PREPARATION OF TEST REPORT | | ½ |

Testing charges per man-hour are Rs. 75.00.

Testing charges for the product shall be levied as per the tests performed.

* Not applicable to drums having closure without gasket.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1982 03 15

TESTING CHARGES FOR IS 5691:1970 LACQUER, CELLULOSE, PIGMENTED,
FINISHING, GLOSSY (REAFFIRMED 1976)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-------------------------------------|----------------|-----------------|
| 1. | Compatibility & Thinning | 3.1.1 | 1 |
| 2. | Toxicity | 3.1.2 | 3 |
| 3. | Drying time and compatibility | | |
| | a) S.D. | | ³ |
| | b) Ready for rubbing & polishing | 3.3 of Table 2 | ³ 1½ |
| 4. | Consistency | " | ³ |
| 5. | Finish | " | ³ |
| 6. | Gloss | " | ½ |
| 7. | Colour | " | ½ |

| | | | | |
|-----|-----------------------------------|-----|---|----|
| 8. | Scratch hardness | " | | 1 |
| 9. | Flexibility & adhesion | " | | 1 |
| 10. | Protection against corrosion | " | | 1 |
| 11. | Resistance to lubricating oil | " | | 1 |
| 12. | Resistance to petrol | " | | 1 |
| 13. | Resistance to Water | " | | 1 |
| 14. | Volatile matter | " | | 1 |
| 15. | Freedom from blushing or blooming | " | 3 | 1 |
| 16. | Suitability for rubbing down | " | 3 | |
| 17. | Self lifting | | | 2 |
| 18. | Keeping property | | | 18 |
| | DURABILITY | 3.2 | | |
| | a) Normal outdoor exposure | | | 10 |
| | b) Acceleration weather | | | 20 |
| | PREPARATION OF TEST REPORT | | | ½ |

Testing charges per man-hour are Rs. 75.00.

Testing charges for the product shall be levied depending upon the tests to be carried out.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1984 11 13

TESTING CHARGES FOR IS 5713:1981 MANGANESE DIOXIDE FOR EXPLOSIVE
AND PYROTECHNIC COMPOSITIONS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS | | |
|------|---|------------------------|-----------|--------|--------|
| | | | Type A | Type B | Type C |
| 1. | Description | 3.1 | 1 | 1 | 1 |
| 2. | Moisture | 3.2 & i) of Tabel-1 | 1 | 1 | 1 |
| 3. | Matter soluble in water | ii) | 1 | 1 | 1 |
| 4. | Water soluble chlorides (as NaCL) | iii) | 1 | 1 | 1 |
| 5. | Grit | iv) | 1½ | - | - |
| 6. | Manganese dioxide (as MnO ₂) | v) | 1½ | 1½ | 1½ |
| | PREPARATION OF TEST REPORT | | ½ | ½ | ½ |
| | TOTAL TIME : | | 8 | 6 | 6 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are as follows:

Type A Rs.600.00

Type B Rs.450.00

Type C Rs.450.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 5719:1970 effective from 15-05-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS 5719:1970 GELATIN, FOOD GRADE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-------------------------|--------------------|-----------|
| 1. | Description | 2.1 | ½ |
| 2. | Solubility | 2.2 | 1 |
| 3. | Identification | 2.3 | 1 |
| 4. | Transparency | 2.4 | 1 |
| 5. | Moisture | 2.5 &i) of table 1 | 1 |
| 6. | Gel strength | ii) " | 1½ |
| 7. | Total ash | iii) " | 1½ |
| 8. | Sulphur dioxide | iv) " | 2½ |
| 9. | Nitrogen (on dry basis) | v) " | 2 |
| 10. | Zinc | vi) " | 2 |
| 11. | Arsenic | vii) " | 2 |
| 12. | Lead | viii) " | 2 |
| 13. | Copper | ix) " | 2 |

| | | | | |
|-----|----------------------------|-----|-------|----|
| 14. | Total bacteria count | x) | " | 2 |
| 15. | E. coli in 10 mg | xi) | " | 2 |
| | PREPARATION OF TEST REPORT | | | ½ |
| | TOTAL TIME : | | ----- | 25 |
| | | | ----- | |

Testing charges per man-hour are Rs. 300.00.
Hence complete testing charges for the product are: **Rs.7500.00**

DDGL may kindly approve.

P. Rajesh
Sc E, LPPD

Head (LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1985 10 31

TESTING CHARGES FOR IS 5719:1970 GELATIN, FOOD GRADE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-------------------------|---------------------|-----------|
| 1. | Description | 2.1 | ½ |
| 2. | Solubility | 2.2 | 1 |
| 3. | Identification | 2.3 | 1 |
| 4. | Transparency | 2.4 | 1 |
| 5. | Moisture | 2.5 & i) of table 1 | 1 |
| 6. | Gel strength | ii) " | 1½ |
| 7. | Total ash | iii) " | 1½ |
| 8. | Sulphur dioxide | iv) " | 2½ |
| 9. | Nitrogen (on dry basis) | v) " | 2 |
| 10. | Zinc | vi) " | 2 |
| 11. | Arsenic | vii) " | 2 |
| 12. | Lead | viii) " | 2 |
| 13. | Copper | ix) " | 2 |

| | | | | |
|-----|----------------------|-----|---|---|
| 14. | Total bacteria count | x) | " | 2 |
| 15. | E. coli in 10 mg | xi) | " | 2 |

PREPARATION OF TEST REPORT ½

| | |
|--------------|-------|
| | ----- |
| TOTAL TIME : | 25 |
| | ----- |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.1875.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 5759:2006 effective from 24-03-2017

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

Testing charges for IS 5759:2006, Amnd-nil “ANTIFREEZE COOLANT-SPECIFICATION”

| Cl. 2.1 | Man.hr | Power Consumption |
|---|---------------|--------------------------|
| 1. a) Description & Marking | ½ | -- |
| b) colour of coolaut | ½ | -- |
| Cl.3.1 and 3.5 | | |
| 2. i) Compatibility with hard water | 1½ | 8kwh |
| ii) foaming property | 1 | -- |
| iii) Specific gravity | 1 | -- |
| iv) Boiling point | 1 | -- |
| v) water content | 2 | -- |
| vi) ph | 2 | -- |
| vii) Reverse alk activity | 2 | -- |
| viii) Freezing point | 2 | -- |
| ix) Storage Stability | 1 | 336 kwh |
| x) Effect on automotive finish | 2 | -- |
| xi) Corrosive property | 3 | -- |
| xii) Glassware metal Corrosive property | 6 | -- |
| xiii) effect n rubber | 10 | -- |
| xiv) Circulating corrosive | 8 | -- |
| xv) cav. erosion test | 8 | -- |
| Test Report Preparation | 0.5 | |
| <hr style="border-top: 1px dashed black;"/> | | |
| Total | 52 | 344 |

Total man hours = 52 x300 = 15600/-

Power = 344 x9 = 3096/-

Total testing charges = Rs 18696/- (Rounded off Rs.18700.00)

CA may kindly approve.

Praveen Kumar

T. A.

OIC (Chem)

OIC (QA)

Head, CL

DDGL

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1988 04 18

TESTING CHARGES FOR IS 5759:1970 ETHYLENE GLYCOL ANTIFREEZE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------------|-----------|
| 1. | Flash point | 3.3 i) of table 1 | 1 |
| 2. | Relative density | ii) | 1 |
| 3. | Freezing point | iii) | 2 |
| 4. | pH value | iv) | 1 |
| 5. | Corrosive action on metals | v) | 2 |
| 6. | Triethanolamine orthophosphate (as H ₂ PO ₄) | vi) | 4 |
| 7. | Sodium contents (Na ₂ O) | vii) | 4 |
| 8. | Mercapto benzothiazole content | viii) | 2 |
| 9. | Sulphate | ix) | 3 |
| 10. | Ghlorides | x) | 2 |
| 11. | Benzoate content | xi) | 2 |
| 12. | Nitrite content | xii) | 1½ |
| 13. | Borate content | xiii) | 2 |

| | | | |
|-----|-------------------------|------|---|
| 14. | Foaming characteristics | xiv) | 1 |
| 15. | Reaction with rubber | xv) | |
| | a) Hardness | | 4 |
| | b) Swelling test | | 3 |
| | c) Bend test | | 3 |

PREPARATION OF TEST REPORT ½

TOTAL TIME : 39

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.2925.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1983 07 07

TESTING CHARGES FOR IS 5805:1970 BALL POINT PEN INK

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--------------------------------------|-------------|-----------|
| 1. | Composition | 3.1 | 1 |
| 2. | Coverage | 3.2 | 3 |
| 3. | Smoothness and line continuity | 3.3 | ½ |
| 4. | Starting characteristics | 3.4 | ½ |
| 5. | Drying time | 3.5 | ½ |
| 6. | Non-transferability | 3.6 | ½ |
| 7. | Resistance to water | 3.7 | 1 |
| 8. | Resistance to chemical Bleach | 3.8 | 1 |
| 9. | Resistance to light | 3.9 | 2 |
| 10. | Writing capability on greasy surface | 3.10 | 1 |
| 11. | Accelerated service test | 3.11 | 2 |
| 12. | Feathering and penetration | 3.12 | 1 |
| 13. | Reproduction capability | 3.13 | 1 |

14. Packing & Marking 4.1 & 4.2 ½

PREPARATION OF TEST REPORT ½

TOTAL TIME : 16

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1200.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 5820:1970 effective from 23-08-2016

LABORATORY POLICY AND PLANNING DEPTT

OUR REF : LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS:5820:1970 PRECAST CONCRETE CABLE COVERS.

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|--|--------------|-----------|
| 1. | Finish and Dimensions | 4.1, Table 1 | 2 |
| 2. | Impact strength (6 nos) (applicable in case of reinforced cable covers) | 8.2 | 4 |
| 3. | Transverse strength (6nos) (applicable in case of unreinforced cable covers) | 8.3 | 4 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ----- |
| | TOTAL TIME: I) In case of reinforced cable covers | | 7h |
| | ii) In case of unreinforced cable covers | | 7h |

Testing charges per man-hour are Rs.300.00. Hence complete testing charges for the product are :

- i) **In case of reinforced cable covers = Rs.2100.00**
- ii) **In case of unreinforced cable covers= Rs.2100.00**

DDGL may kindly approve.

(Anurita Jojo)
Sc.C, LPPD

Head, LPPD

DDG(Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref:CL/QA/14:0

2003-11-14

TESTING CHARGES FOR IS:5820:1970 PRECAST CONCRETE CABLE COVERS.

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|--|--------------|-----------|
| 1. | Finish and Dimensions | 4.1, Table 1 | 2 |
| 2. | Impact strength (6 nos) (applicable in case of reinforced cable covers) | 8.2 | 4 |
| 3. | Transverse strength (6nos) (applicable in case of unreinforced cable covers) | 8.3 | 4 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ----- |
| | TOTAL TIME: I) In case of reinforced cable covers | | 7h |
| | ii)In case of unreinforced cable covers | | 7h |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are :

- i) In case of reinforced cable covers Rs.525/-
- iii) In case of unreinforced cable covers Rs.525/-

DDGL may kindly approve.

(Veer Singh)
TS(QA)

D&H(QA)
DDGL

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:9

1982 01 05

TESTING CHARGES FOR IS 5836:1977 INNER WIRE FOR AUTOMOBILE
CONTROL CABLE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|-------------|-----------|
| 1. | Size | 3 | 1 |
| 2. | Breaking load | 4 | 2 |
| 3. | General requirements | 5 | 1½ |
| 4. | Galvanizing | 6 | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 7 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.525.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 5852:2004 effective from 12-02-2018
BUREAU OF INDIAN STANDARDS
EROL, Kolkata

Our Ref: EROL/M/TC(5852)

18.10.2017

IS:5852:2004(Protective steel toe caps for footwear)

| SI No. | IS/ Clause No. | Requirements / Characteristics | Man Hour spent in testing | Man hour cost of testing | Power consumption (if intensive) | Cost of power | Consumable cost (if significant) | Total cost of testing | Remarks (Method of test) |
|--------|----------------------|--------------------------------------|---------------------------------|--------------------------------|--|--------------------------|--|-----------------------------|---------------------------------|
| (I) | (II) | (III) | (IV) | (V)= (IV)xRs 300 | (VI) | (VII)= (VI)x Rs.10 | (VIII) | (IX) | (X) |
| 1. | 5.1 | Shape and Dimension | 3.5 | 1050 | | | | 1050 | 5.1 |
| 2. | 5.2 | Performance test | 2 | 600 | | | | 600 | 5.2 |
| 3. | 5.3 | Finish | 1 | 300 | | | | 300 | 5.3 |
| 4. | 5.4 | Rust prevention | 0.5 | 150 | | | | 150 | Either Cl 5.4 or Cl 5.4.1 |
| 5 | | PREPARATION OF TEST REPORT | 1 | 300 | | | | 300 | 1 |

Testing Charges for the product:
Rs. 2400/-

(A Chakrabarti)

OIC(Mechanical)

H(EROL)
H(LPPD)
DDGL

As decided by Competent
Authority, the testing charges for
the product are Rs 2400/- +

(Ankita Tripathi)
Sc.B, LPPD

HLPPD

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above
BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1993 07 30

TESTING CHARGES FOR IS 5852:1992 PROTECTIVE STEEL TOE
CAPS FOR FOOTWEAR

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|------------------|-----------|
| 1. | Thickness | 5.1 | 0.5 |
| 2. | Shape & Dimensions | 5.2 | 3 |
| 3. | Performance test | 5.3 | 1 |
| 4. | Finish | 5.4 ³ | 0.5 |
| 5. | Rust preventive | ³ | |
| 6. | Marking & packing Types | | 0.5 |
| | PREPARATION OF TEST REPORT | | 0.5 |
| | | TOTAL TIME : | 6 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.450.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS SRO LABORATORY, CHENNAI-113.

Ref: SROL/TC/IS 5872

Dt.27-09-2017.

Sub: Testing Charges of Cold Rolled Steel strips (Box Strappings) as per **IS 5872:1990(reaffirmed 2000)**, reg.

Total = Rs.
excluding
resistance and
elements.

| Sl. No. | TEST PARAMETERS | Cl. Ref. | Man Hrs | Electricity Power in KWH | Cost of Consumables & materials | REMARKS |
|---------|---|---------------|------------|--------------------------|---------------------------------|---|
| 1. | Marking, Packing | 14, 13 | 1 | | | |
| 2. | Dimensions & tolerances | 10 & Annex A, | 2 | | | |
| 3. | Tests: | | | | | |
| | a) Tensile test | 6 & Table 3 | 2 | 4 kwh | | |
| | b) Reverse bend test | 7 | 1 | | | |
| | c) Corrosion resistance: (for both painted & zinc coated) | 12 | 6 | 288/384/576 kwh @ 4kw/h | Salt spray apparatus | Duration of test in hrs: 72/96 for painted and 144 for zinc coated TESTING FACILITY NOT AVAILABLE AT SROL |
| | d) Freedom from defects, surface finish | 9, 11 | 1 | | | |
| 4. | Reporting / verifying | | 1 | | | |
| | Total man hrs | | 14 | | | |
| 5. | Cost of man hrs | | 14x @300 | | | =4200 |
| 6. | Cost of power (EB) | | 10 X@7 | 292/388/ /580 kwh | | = Rs.2044 for painted / Rs. 2716 for Zinc coating or copper coating/ / Rs.4060 for epoxy coating (one coat) |
| 7. | Total Testing charges per sample (for mechanical) | | 5 + 6 | | | = Rs 6244 for painted / Rs.6916 for Zinc coating or copper coating /Rs. 8260 for epoxy coating (one coat) |
| 8 | Carbon | 5.1 | 2 | 6kwh | 75 | |
| 9 | Manganese | 5.1 | 2 | 6kwh | 75 | |
| 10 | Sulphur | 5.1 | 3 | 6kwh | 75 | |
| 11 | Phosphorous | 5.1 | 3 | 6kwh | 75 | |
| 12 | Preparation of test report | | 0.5 | | | |
| 13 | Cost of man hrs | | 10.5X @300 | | | 3150 |
| 14 | Cost of power (EB) | | 24x@7 | | | 168 |
| 15 | Cost of consumables | | 75X4 | | | 300 |
| 16 | Total Testing charges per sample (for Chemical) | | | | | 3618 (rounded off to 3620) EXCLUDING MICROALLOYING ELEMENTS |

6050/-
corrosion
micro-alloying

Total = Rs. 6050/- excluding corrosion resistance and micro-alloying elements.

As decided by Competent Authority, the testing charges for the product are Rs 2400/-

(Ankita Tripathi)
Sc.B, LPPD

HLPPD

DDG (Labs)

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref:CL/QA/14:0

2003-11-18

TESTING CHARGES FOR IS:5880:1970 STAND, SALINE-CUM-IRRIGATOR

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|----------------------------|------------|-----------------------------|
| 1. | Material | 2 | |
| | i) Tube | 2.1 | As per cl.2.1 of IS 4033:68 |
| | ii) Castors | 2.2 | As per IS 4034:68 |
| 2. | Shape & Dimensions | 3 | 2 |
| 3. | Manufacturer | 4 | 2 |
| 4 | Finish | 5 | 1 |
| 5. | Tests | 6 | |
| | a) Adhesion test | 6.1 | 2 |
| | b) Performance test | 6.2 | 1 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ----- |
| | TOTAL TIME | | 9 |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.675/- excluding material and chemical requirements.

- The testing charges for the material shall be levied as per relevant ISS.
- The proposal has been made on the basis of information received from testing lab.

DDGL may kindly approve.

(Veer Singh)
TS(QA)

D&H(QA)
DDGL

The revised BIS testing charges for IS 5884:1993 effective from 24-03-2017

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

TESTING CHARGES FOR IS 5884:1993, amnd-nil "TEXTILE FLOOR COVERING-TUFTED CARPETS"

| S No | Tests | Clause Ref | Man-Hours |
|-------|-------------------------|------------|-----------|
| 1. | Blend composition | 5.2.1 | 3 |
| 2. | Colour fastness | 5.5 | 6 |
| | Test Report Preparation | | 0.5 |
| ----- | | | 9.5 |

Total testing charges = 9.5x300 = Rs 2850/-

CA may kindly approve.

Praveen Kumar
T. A.

OIC (Chem)

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:O

2016 12 09

TESTING CHARGES FOR IS 5884:1993 (Amnd-nil) **Textile Floor Covering - Tufted Carpets**

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------|-----------|
| 1. | Manufacture | | |
| | a) General examination for pile yarn, backing, backs-coating & secondary-backing | 4.1 to 4.4 | 4 |

| | | | |
|----|----------------------------|---------|-----------------------------------|
| | b) Moth resistance | 4.5/5.7 | 5 |
| 2. | Requirements | | |
| | a) Length & width | 5.1 | 1 |
| | b) Pile density | 5.3 | Test Facility not available at CL |
| | c) Pile thickness | 5.4 | Test Facility not available at CL |
| | d) Tuft withdrawal force | 5.6 | 2 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ----- |
| | TOTAL TIME : | | 13 |
| | | | ----- |

Testing charges per man-hour are Rs. 300.00.

Hence testing charges for the product are : Rs.3900.00

(Sheesh Pal)
LO-A

OIC (Mech)
OIC (QA)
Head (CL)

As decided by CA, testing charges are Rs.6750/- excluding Pile density and Pile Thickness.

(Kshitij Bathla)
Sc.B, LPPD

**Head, LPPD
DDGL**

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1993 07 22

TESTING CHARGES FOR IS 5884:1987 TUFTED WOOL CARPETS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------|--------------------|
| 1. | Labelling (dimension of label & letters) | 5 | ½ |
| 2. | Manufacture | | |
| | a) General examination for pile yarn,backing,backs-coating & secondary-backing | 3.1 to 3.4 | 1 |
| | b) Pile yarn | | |
| | *i) Conformity of pile yarn to IS 10921:1984 | 3.1 | As per IS 10921:84 |
| | ii) Wool content only | 3.1 | 3 |
| | c) Moth resistance | 3.5 to 4.6 | 5 |
| 3. | Requirements | | |
| | a) Length & width | 4.1 | 1 |
| | b) Pile density | 4.2 | 4 |
| | c) Pile height | 4.3 | 1 |
| | d) Colour fastness | 4.4 | 6 |
| | | | Testing facility |

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1991 02 08

TESTING CHARGES FOR IS 5894:1980 RUBBER HOSE FOR SAND BLASTING
(FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|--------------------|-----------|
| 1. | Lining | 4.1.1 | ½ |
| 2. | Reinforcement | 4.1.2 | ½ |
| 3. | Braided copper wire | 4.1.3 | 1 |
| 4. | Cover | 4.1.4 | ½ |
| 5. | Dimensions & tolerance | 4.2 | |
| | a) Bore size | 4.2.1 | 1½ |
| | b) Lining cover thickness | 4.2.2 | 3 |
| | c) Length | 4.2.3 | ½ |
| 6. | Tensile strength & elongation at break of lining and cover | 4.3.1 | 4 |
| 7. | Accelerated ageing test | 4.3.2 | 5 |
| 8. | Hardness of lining | 4.3.3 | 2 |
| 9. | Adhesion | 4.3.4 | 1½ |
| 10. | Hydraulic pressure test | 4.3.5 ³ | |
| | | ³ | 2 |
| 11. | Proof pressure test | 4.3.6 ³ | |

| | | | |
|-----|----------------------------|-------|---|
| 12. | Electrical continuity test | 4.3.7 | 1 |
| 13. | Marking | 5 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |

| | | |
|--------------|-------|----|
| TOTAL TIME : | ----- | 24 |
| | ----- | |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1800.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1993 04 15

TESTING CHARGES FOR IS 5912:1970 ANEMOMETER,CUP COUNTER

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|----------------------------|-------------|---|
| 1. | Material | 3 | 2 |
| 2. | Dimensions | 4 | 2 |
| 3. | General requirements | 5 | 6 |
| 4. | Workmanship & finish | 6 | 2 |
| 5. | Tests | | |
| | i) Balance | 7.1 | 1 |
| | ii) Bearings | 7.2 | 1 |
| | iii) Counter | 7.3 | 2 |
| | iv) Accuracy | 7.4 | 12 (Testing facility not available at CL) |
| 8. | Marking | 8 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 29 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.2175.00

APPROVED BY THE COMPETENT AUTHORITY.

The BIS testing charges for IS 5915:1970 effective from 16-05-2018

BUREAU OF INDIAN STANDARDS

CENTRAL LABORATORY

(Quality Assurance Department)

Ref: CL/QA/Testing Charges/5915

13-03-2018

Based on the inputs received from testing section, the testing charges as per **IS 5915:1970 (Amnd-2)**

SINGLE TEXTURE RUBBERIZED WATERPROOF FABRICS as below:

| S. No. | Requirement/Characteristics | IS/Clause | Man-hours | Power (kWh) | Consumables (Rs.) | Remarks |
|---------------|------------------------------------|------------------|------------------|--------------------|--------------------------|----------------|
| 21. | Qualities (rubber polymer content) | Cl. 3.2 | * | - | - | - |
| 22. | Base fabric | Cl. 4.1 | * | - | - | - |
| 23. | Proofing | Cl. 4.2 | * | - | - | - |
| 24. | Finished fabric | Cl. 4.3 | - | - | - | - |
| | a. General | Cl. 4.3.1 | 0.5 | - | - | - |
| | b. Length | Cl. 4.3.2 | 0.5 | - | - | - |
| | c. Width | Cl. 4.3.3 | 0.5 | - | - | - |
| | d. Water proofness | Cl. 4.3.4 | * | - | - | - |
| | e. Accelerated ageing test | Cl. 4.3.5 | * | - | - | - |
| | f. Colour fastness | Cl. 4.3.6 | - | - | - | - |
| | i. to light | Cl. 4.3.6.1 | 8 | - | - | - |
| | ii. to washing of coloured fabric | Cl. 4.3.6.2 | 3 | - | 100.00 | - |
| | g. Reaction of aqueous extract | Cl. 4.3.7 | 4 | - | - | - |
| | h. Autoclaving test | Cl. 4.3.8 | * | - | - | - |
| | i. Resistance to cold | Cl. 4.3.9 | 2 | - | - | - |
| | j. Resistance to acid and alkali | Cl. 4.3.10 | 2 | - | 100.00 | - |

| | | | | | | |
|--|------------------------|---------------|------|---|--------|---|
| | k. Requirements | Cl. 4.3.11 | - | - | - | - |
| | i. Weight | Table-1 | 1 | - | - | - |
| | ii. Proofing content | Table-1 | 6 | - | 100.00 | - |
| | iii. Breaking strength | Table-1 | - | - | - | - |
| | 1) Warp | | 1 | - | - | - |
| | 2) Weft | | 1 | - | - | - |
| | Report Preparation | | 2 | - | - | - |
| | Total | | 31.5 | - | 300.00 | - |

*Test facility not available at CL.

Testing charges = $31.5 \times 300 + 300.00 = \text{Rs. } 9750.00$ excluding Qualities, Base fabric, Proofing, Water proofness, Accelerated ageing test, Autoclaving test.

OIC (QA)

Head (CL)

DDGL

As decided by Competent Authority, the testing charges for the product are Rs. 9750/- excluding Qualities, Base fabric, Proofing, Water proofness, Accelerated ageing test, Autoclaving test.

(Ankita Tripathi)
Sc.B, LPPD

HLPPD

DDG (Labs)

The revised BIS testing charges for IS 5950:1984 effective from 23-08-2016

LABORATORY POLICY AND PLANNING DEPTT

OUR REF : LPPD/51:1

10.03.2016

Sub: Testing Charges for IS 5950-1984-Shot Firing Cables

| Sl No | Characteristics | Cl.No | Man-hours | Electricity (kWH) | Cost of electricity @ Rs.9/kWh | consumables (if applicable) | Total |
|----------|--|-------|-----------|-------------------|--------------------------------|-----------------------------|-------|
| A | TEST PARAMETERS | | | | | | |
| 1 | Packing & Marking | 12 | 1 | | 0 | | 300 |
| | a) Reference to this Indian Standard | 12.2 | | | 0 | | 0 |
| | b) Manufacturer name, brand name or trade mark | 12.2 | | | 0 | | 0 |
| | c) Type of shot firing cable | 12.2 | | | 0 | | 0 |
| | d) No. of cores | 12.2 | | | 0 | | 0 |
| | e) Nominal size of conductor | 12.2 | | | 0 | | 0 |
| | f) Length of cable or reel or in coil | 12.2 | | | 0 | | 0 |
| | g) Counting of ma | 12.2 | | | 0 | | 0 |
| | h) Year of manufacturer and BIS certification | 12.2 | | | 0 | | 0 |
| 2 | General Construction | | 0.5 | | 0 | | 150 |
| 3 | Type of cable | 7.1 | | | 0 | | 0 |
| 4 | Colour of Insulation | 7.3 | | | 0 | | 0 |
| 5 | Colour of sheath | 8.3 | | | 0 | | 0 |
| 6 | Test on conductor | | | | 0 | | 0 |
| | a) Annealing test | 9.1 | 0.5 | 0.5 | 4.5 | | 154.5 |
| | b) Conductor resistance | 9.1 | 0.5 | 0.5 | 4.5 | | 154.5 |
| | c) Minimum no. of wire | 9.1 | 0.08 | | 0 | | 24 |
| 7 | Thickness of insulation & sheath | 9.1 | 0.5 | 0.5 | 4.5 | | 154.5 |
| 8 | Physical test on insulation & sheath | 9.1 | | | 0 | | 0 |
| | a) Before ageing | 9.1 | 2 | 1 | 9 | | 609 |
| | b) After ageing | 9.1 | 4 | 252 | 2268 | | 3468 |
| | c) Loss of mass test | 9.1 | 4.5 | 252 | 2268 | | 3618 |
| | d) Hot derformation | 9.1 | 1.5 | 1.5 | 13.5 | | 463.5 |

| | | | | | | | |
|----|-----------------------------------|------|--------------|------------|-------------|----------|--------------|
| 9 | Heat shock test | 9.1 | 1.5 | 6 | 54 | | 504 |
| 10 | Shrinkage test | 9.1 | 0.5 | 2 | 18 | | 168 |
| 11 | Voltage test | 10.2 | 0.5 | | 0 | | 150 |
| 12 | Insulation temperature test | 9.1 | 1 | 4 | 36 | | 336 |
| 13 | Flammability test | 10.4 | 0.5 | | 0 | | 150 |
| 14 | Identification | 11 | 0.08 | | 0 | | 24 |
| B. | PREPARATION OF TEST REPORT | | 2 | 0 | 0 | | 600 |
| | TOTAL | | 21.16 | 520 | 4680 | 0 | 11028 |

Rate of testing charges per man-hour **Rs.300**

Hence testing charges for the product is $Rs.21.16 \times 300 + 520 \times 9 + 0 = \mathbf{Rs.11028.00}$ (Rounded of 11030.00)

DDGL may kindly approve.

(Anurita Jojo)
Sc.E, LPPD

Head, LPPD

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

Ref:CL/QA/79

17th March 2011

Sub: Testing Charges for IS 5950-1984-Shot Firing Cables

| Sl No | Characteristics | Cl.No | Man-hours | Electricity (kWh) | Cost of electricity @ Rs.9/kWh | consumables (if applicable) | Total |
|----------|--|-------|-----------|-------------------|--------------------------------|-----------------------------|-------|
| A | TEST PARAMETERS | | | | | | |
| 1 | Packing & Marking | 12 | 1 | | 0 | | 75 |
| | a) Reference to this Indian Standard | 12.2 | | | 0 | | 0 |
| | b) Manufacturer name, brand name or trade mark | 12.2 | | | 0 | | 0 |
| | c) Type of shot firing cable | 12.2 | | | 0 | | 0 |
| | d) No. of cores | 12.2 | | | 0 | | 0 |
| | e) Nominal size of conductor | 12.2 | | | 0 | | 0 |
| | f) Length of cable or reel or in coil | 12.2 | | | 0 | | 0 |
| | g) Counting of ma | 12.2 | | | 0 | | 0 |
| | h) Year of manufacturer and BIS certification | 12.2 | | | 0 | | 0 |
| 2 | General Construction | | 0.5 | | 0 | | 37.5 |
| 3 | Type of cable | 7.1 | | | 0 | | 0 |
| 4 | Colour of Insulation | 7.3 | | | 0 | | 0 |
| 5 | Colour of sheath | 8.3 | | | 0 | | 0 |
| 6 | Test on conductor | | | | 0 | | 0 |
| | a) Annealing test | 9.1 | 0.5 | 0.5 | 4.5 | | 42 |
| | b) Conductor resistance | 9.1 | 0.5 | 0.5 | 4.5 | | 42 |
| | c) Minimum no. of wire | 9.1 | 0.08 | | 0 | | 6 |
| 7 | Thickness of insulation & sheath | 9.1 | 0.5 | 0.5 | 4.5 | | 42 |
| 8 | Physical test on insulation & sheath | 9.1 | | | 0 | | 0 |
| | a) Before ageing | 9.1 | 2 | 1 | 9 | | 159 |
| | b) After ageing | 9.1 | 4 | 252 | 2268 | | 2568 |
| | c) Loss of mass test | 9.1 | 4.5 | 252 | 2268 | | 2606 |
| | d) Hot derformation | 9.1 | 1.5 | 1.5 | 13.5 | | 126 |

| | | | | | | | |
|----|-----------------------------------|------|--------------|------------|-------------|----------|-------------|
| 9 | Heat shock test | 9.1 | 1.5 | 6 | 54 | | 166.5 |
| 10 | Shrinkage test | 9.1 | 0.5 | 2 | 18 | | 55.5 |
| 11 | Voltage test | 10.2 | 0.5 | | 0 | | 37.5 |
| 12 | Insulation temperature test | 9.1 | 1 | 4 | 36 | | 111 |
| 13 | Flammability test | 10.4 | 0.5 | | 0 | | 37.5 |
| 14 | Identification | 11 | 0.08 | | 0 | | 6 |
| B. | PREPARATION OF TEST REPORT | | 2 | 0 | 0 | | 150 |
| | TOTAL | | 21.16 | 520 | 4680 | 0 | 6267 |

Rate of testing charges per man-hour

Rs. 75

Hence testing charges for the product is $21.16 \times 75 + 520 \times 9 + 0 =$

Rs. 6267

(Rs. Six thousand two hundred and sixty-seven only)

OIC
(QA)

Head-CL

Head-CQAPD

Sc-G (Labs)

The revised BIS testing charges for IS 5982:2003 effective from 24-03-2017

**BIS CENTRAL LABORATORY, SAHIBABAD
[CHEMICAL DEPARTMENT]**

TESTING CHARGES FOR IS: 5982:2003 Amendment 2 – PLANTATION WHITE SUGAR

| Requirement | Cl. ref. of IS | Time(Hours) | Power KWH consumption (if intensive) | Consumable | Remarks |
|-------------------------------------|--------------------------|--------------------|---|-------------------|----------------|
| <u>Chemical Requirements</u> | | | | | |
| Description | Cl. 5.1 | 0.5 | - | - | |
| Loss on drying | Cl.5.2 & i) of table 1 | 1 | 5 | - | |
| Polarization | Cl.5.2 & ii) of table 1 | 2 | - | - | |
| Reducing Sugars | Cl.5.2 & iii) of table 1 | 4.5 | - | 300 | |
| Colour in ICUMSA | Cl.5.2 & iv) of table 1 | 2 | - | - | |
| Conductivity | Cl.5.2 & v) of table 1 | 2 | - | - | |
| Sulphur dioxide | Cl.5.2 & vi) of table 1 | 4 | - | 100 | |
| Lead | Cl.5.2 & vii) of table 1 | 2 | - | 200 | |
| Report Preparation | | 1 | | | |
| Total | | 19 | 5 | 600 | |

Testing charges per man-hour=Rs 300

Power consumption per unit =Rs 9

Total testing charges = $19 \times 300 + 5 \times 9 + 600$

= Rs 6345/- Rounded Off to Rs 6350/-

CA may kindly approve.

**Mayank Kumar Srivastava
T.A.**

OIC (Chem)

OIC(QA)

Head,CL

DDGL

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref:CL/QA/14:0

2002-04-09

TESTING CHARGES FOR IS: 5982:1970 FOR PLANTATION WHITE SUGAR.

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|-------------------------------|---------------------|-----------|
| A. | As per existing standard | | |
| 1. | Description | 4.1 | 0.5 |
| 2. | Moisture | Table 1, S.No.(i) | 2 |
| 3. | Pol. | Table 1, S.No.(ii) | 2 |
| 4. | Reducing sugar | Table 2, S.No.(i) | 4.5 |
| 5. | Specific Conductivity | Table 2, S.No.(ii) | 2 |
| 6. | Sulphur dioxide | Table 2, S.No.(iii) | 4 |
| 7. | Calcium oxide | Table 2, S.No.(iv) | 3 |
| 8. | Turbidity | Table 2, S.No.(v) | 2 |
| 9. | Water Insoluble | Table 2, S.No.(vi) | 1 |
| B. | For proposed additional tests | | |
| 10. | Lead | | 1.5 |
| 11. | Colour | | 2 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ---- |
| | TOTAL TIME (Rounded) | | 26 |

Testing charges per man hour are Rs.75.00.

- Complete testing charges as per existing standard- Rs.1650/-
- Complete testing charges including the proposed additional tests -Rs.1950/-

(Yad Ram)
TS(QA)

DCL(QA)
DDGL
ADGT
DG

The revised BIS testing charges for IS 5986:2011 effective from 24-03-2017

**BIS CENTRAL LABORATORY, SAHIBABAD
[CHEMICAL DEPARTMENT]**

Testing Charges for IS 5986:2011, Amend- Nil
HOT ROLLED STEEL FLAT PRODUCTS FOR STRUCTURAL FORMING AND FLANGING PURPOSES

| SI.No. | Characteristics | Clause no. | Man-Hours | Electricity Power | Cost of Consumable including reference |
|--------|----------------------------|---|-----------|-------------------|--|
| | | Consumed material wherever <td></td> <td>kwh</td> <td>applicable</td> | | kwh | applicable |
| 1. | Chemical composition | 7 | | | |
| i) | Carbon | | 2 | 6 | 50.00 |
| ii) | Sulphur | | 2 | 6 | 50.00 |
| iii) | Phosphorus | | 3 | 6 | 50.00 |
| iv) | Manganese | | 3 | 6 | 50.00 |
| v) | Carbon Equivalent | | 0.5 | | |
| | PREPARATION OF TEST REPORT | | | 1 | |
| | TOTAL | : | 11.5 | 24 | 200.00 |

Remarks : Testing charges for the material as per Table 3 shall be levied as per relevant ISS referred.

Testing charges per man-hour Rs.300.00

Electricity power consumption Rs.9.00 per KWH

Hence complete testing charges

For Grade 165, 205 & 235 – Rs. 3716.00/-, Rounded off to Rs.3750/-

For the Grade 255,325,355,420,490, 560 – Rs. 3866.00/- , Rounded off to Rs.3900/-

Remarks:

- i) Testing charges for each of the elements other than Table-1 (Si, Al, N, Cu, Ce, Ca, Nb, V, Ti, B, Mo, Cr, Ni) will be @Rs.1004/-
CA may kindly approve.

Anita Goel
LO-B

Sc-B (Chem)

OIC (Chem)

OIC(QA)

BIS- CentralLaboratory
Mechanical Laboratory

Sub. : Proposal for the Time Estimate for Hot Rolled Steel Flat Products For
Structural Forming
And Flanging
Purposes.

IS 5986 :
2011

| Sl.No. | Characteristics | Clause No./ Table | Man-hours | Electric Power required(kwh) | Consumable Cost (Rs) | Test facility at CL Available/Not avail. |
|--------|----------------------|-------------------|-----------|-------------------------------|----------------------|--|
| 1 | Freedom From Defects | 8 | 0.5 | --- | | A |
| 2 | Tensile Test | 9 | 4 | 10 kWh | | A |

DDGL

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref : CL/QA/14:0

1999-06-21

TESTING CHARGES FOR IS 5986:1992 HOT ROLLED STEEL PLATES, SHEETS, STRIPS & FLATS FOR FORGING AND FORMING OPERATION

| SL. NO | CHARACTERISTICS | CLAUSE NO. | MAN-HOUR | |
|--------|-----------------------------------|------------|---------------|---------------|
| | | | Fe 330/Fe 360 | Fe 410/Fe 510 |
| 1. | Tensile test | 8 | 2 | 2 |
| 2. | Bend test | 9 | 1.5 | 1.5 |
| 3. | Impact test | 10 | 3.5 | 3.5 |
| 4. | Dimensions & Tolerances | 13 | 1.5 | 1.5 |
| 5. | Mass | 14 | 1 | 1 |
| 6. | Chemical composition | 6 Table 1 | | |
| | a) Carbon | | 1 | 1 |
| | b) Manganese | | 2.5 | 2.5 |
| | c) Phosphorous | | 2 | 2 |
| | d) Sulphur | | 2 | 2 |
| | e) Carbon equivalent | | - | 0.5 |
| | PREPARATION OF TEST REPORT | | 1 | 1 |
| | TOTAL TIME (Rounded) | | 18 | 19 |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are as follows:

For Grade Fe 330/Fe 360 : Rs. 600.00 (each grade)

For Grade Fe 410/Fe 510 : Rs.675.00 (each grade)

DG may kindly approve.

(V.K. Sethi)

DCL(QA)DDGLADGT

DG

The revised BIS testing charges for IS 6003:2010 effective from 22-08-2017
BIS CENTRAL LABORATORY, SAHIBABAD
[CHEMICAL DEPARTMENT]

TESTING CHARGES FOR IS 6003:2010, Amnd- Nil
 INDENTED WIRE FOR PRESTRESSED CONCRETE

| SI.No. | Characteristics | Clause no. | Man-Hours | Electricity Power | Cost of Consumable including reference |
|--------|----------------------------|-------------------|-----------|-------------------|--|
| | Consumed | material wherever | | kwh | applicable |
| 1. | Chemical composition | 4.1.1 | | | |
| | i) Sulphur | | 2 | 6 | 50.00 |
| | ii) Phosphorus | | 3 | 6 | 50.00 |
| | PREPARATION OF TEST REPORT | | | 1 | |
| | TOTAL | : | 6 | 12 | 100.00 |

Testing charges per man-hour Rs.300.00

Electricity power consumption Rs.9.00 per KWH

Hence complete testing charges for the product is Rs. 2008.00

CA may kindly approve.

RakeshMeena
LO-B

OIC (Chem)

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

2017-07-11

TESTING CHARGES FOR IS 6003:2010 (Amnd-nil) INDENTED WIRE FOR PRESTRESSED CONCRETE (FIRST REVISION AMENDMENT NO.1)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|--------------------------------|--------------------------------|
| 1. | Nominal sizes | 5.1 | ½ |
| 2. | Geometrical Characteristics | 5.2 | ½ |
| 3. | Tolerance | 6 | ½ |
| 4. | Tensile Strength, proof stress and elongation after fracture | 7.1, 7.2, 7.4 8.3, 8.4, 8.6 | 4 |
| 5. | Ductility (Reverse Bend Test) | 7.3 & 8.5 | 1 |
| 6. | Relaxation test a) For 100 hours b) For 1000 hours | 7.5 & 8.7 | Test Facility not available |
| | PREPARATION OF TEST REPORT | | ½ |
| | Total Time | | 7 |

Testing charges per man-hour are Rs. 300.00.

Hence testing charges for the product are: Rs.2100.00 (excluding Relaxation Test)

OIC(Mech)

OIC(QA)

Head(CL)

As decided by CA, testing charges are Rs. 4110/- excl. relaxation test

Tripathi)

Sc.B, LPPD

(Ankita

Head, LPPD

DDGL

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD

[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 11 28

TESTING CHARGES FOR IS 6003:1983 INDENTED WIRE FOR PRESTRESSED
CONCRETE (FIRST REVISION AMENDMENT NO.1)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------------------------|-----------|
| 1. | Chemical composition | 3.1.1 | |
| | a) Sulphur | | 3 |
| | b) Phosphorus | | 3 |
| 2. | Nominal sizes | 4.1 ³ | 1 |
| 3. | Tolerance | 5 ³ | |
| 4. | Geometrical Characteristics | 4.2 | ½ |
| 5. | Tensile Strength, proof stress and elongation after fracture | 6.1, 6.2 6.4 7.3, 7.4, 7.6 | 2 |
| 6. | Ductility | 6.3 & 7.5 | 1 |
| 7. | Relaxation test | 6.5 & 7.7 | |
| | a) For 100 hours | | 20 |
| | b) For 1000 hours | | 60 |

Testing facility not available at CL.

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.2325.00 with 100 hour relaxation test & Rs. 5325.00 with 1000 hour relaxation test.

APPROVED BY THE COMPETENT AUTHORITY.

The BIS testing charges for IS 6006:2014 effective from 12-02-2018

BIS SRO LABORATORY, CHENNAI-113.

Ref: SROL/MECH/TC/IS 6006

Dt.26-09-2017.

Sub: Testing Charging of Uncoated stress relieved strand for prestressed concrete as per **IS 6006:2014**, reg.

| SL NO. | TEST PARAMETERS | Cl. Ref. | Man Hrs | Electricity Power in KWH | Cost of Consumables & materials | REMARKS |
|--------|---|----------------|----------|--------------------------|---------------------------------|---|
| 1. | Marking , workmanship & finish | 10, 4.5 | 1 | | | |
| 2. | Strand , size & mass | 4.2, 5 table 1 | 2 | | | |
| 3. | Physical properties: | 7 | | 5 kwh | | |
| | a) Breaking Load | 7.1 | 2 | | | |
| | b) 0.2% proof load | 7.2 | - | | | Testing facility not available at SROL. |
| | c) Elongation | 7.3 | 1 | | | |
| | d) Relaxation test | 7.4 | - | - | | Testing facility not available at SROL. |
| 4. | Reporting / verifying | | 1 | | | |
| | Total man hrs | | 7 | | | |
| 5. | Cost of man hrs | | 7 X @300 | | | = 2100 |
| 6. | Cost of power (EB) | | 5 X @7 | | | = 35 |
| 7. | Total Testing charges per sample(for mechanical tests) | | 5 + 6 | | | = Rs 2135/- |
| 8 | Sulphur | 4.1.2 | 2 | 6kwh | 75 | |
| 9 | Phosphorous | 4.1.2 | 3 | 6kwh | 75 | |
| 10 | Preparation of test report | | 0.5 | | | |
| 11 | Cost of man hours | | 5.5X@300 | | | 1650 |
| 12 | Cost of Power | | 12X@7 | | | 84 |
| 13 | Total Cost of consumables for chemical tests | | | | | 150 |
| 14 | Total Testing charges per sample(for chemical tests) | | | | | 1884(rounded off to 1900) |

Total Testing Charges(7+14)=2135+1900=4035/-

As decided by Competent Authority, the testing charges for the product are Rs 4035/- Excluding Proof Stress and Relaxation Test

**(Ankita Tripathi)
Sc.B, LPPD**

HLPPD

DDG (Labs)

The revised BIS testing charges for IS 6014:1978 effective from 16-05-2018

BUREAU OF INDIAN STANDARDS

CENTRAL LABORATORY

(Quality Assurance Department)

Ref: CL/QA/Testing Charges/6014

13-03-2018

Based on the inputs received from testing section, the testing charges as per **IS 6014:1978 (Amnd-5)**

EMULSIFIABLE LARVICIDAL OIL, PYRETHRUM BASED as below:

| S. No. | Requirement/Characteristics | IS/Clause | Man-hours | Power (kWh) | Consumables (Rs.) | Remarks |
|---------------|------------------------------------|------------------|------------------|--------------------|--------------------------|----------------|
| 25. | Physical requirements | Cl. 2.2 | - | - | - | - |
| | a. Description and identity | Cl. 2.2.1 | 3 | - | 500.00 | - |
| | b. Flash point (Abel) | Cl. 2.2.2 | 1 | 1 | - | - |
| | c. Emulsion stability | Cl. 2.2.3 | 1 | 2 | - | - |
| | d. Relative density | Cl. 2.2.4 | 1 | - | - | - |
| | e. Spreading pressure | Cl. 2.2.5 | 3 | 1 | - | - |
| 26. | Total pyrethrin content | Cl. 2.3 | 8 | 2 | 500.00 | - |
| 27. | Larvicidal efficacy (optional) | Cl. 2.4 | * | - | - | - |
| | Report Preparation | | 1 | - | - | - |
| | Total | | 18 | 6 | 1000.00 | - |

*Test facility not available at CL.

Testing charges = 18 x 300 + 6 x 9 + 1000.00 = Rs. 6454.00 excluding Larvicidal efficacy (optional).

OIC (QA)

Head (CL)

DDGL

As decided by Competent Authority, the testing charges for the product are Rs. 6454/- excluding Larvicidal efficacy (optional).

(Ankita Tripathi)
Sc.B, LPPD

HLPPD

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD

[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1983 01 31

TESTING CHARGES FOR IS 6014:1978 EMULSIFIABLE LARVICIDAL OIL,
PYRESTRUM BASED

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|-------------|-----------|
| 1. | Description | 2.2.1 | ½ |
| 2. | Flash point (Abel) | 2.2.2 | 1 |
| 3. | Emulsion stability | 2.2.3 | 1 |
| 4. | Relative density | 2.2.4 | 1½ |
| 5. | Spreading pressure | 2.2.5 | 1 |
| 6. | Total pyrethrum content | 2.3.1 | 9 |
| 7. | Larvicidal efficiency | 2.4 | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 17 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1275.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref : CL/QA/Lab/14

2001-01-17

TESTING CHARGES FOR IS 6025:1982 KNIFE SECTIONS FOR HARVESTING MACHINES

| SL. NO | CHARACTERISTICS | CLAUSE NO. | MAN-HOUR |
|--------|-----------------------------------|------------|------------|
| 1. | Material (Chemical composition) | 3.1 | 4 |
| 2. | Hardness | 4 | 3 |
| 3. | Dimensions | 5 | 2 |
| 4. | Other requirements | 6) | 1 |
| 5. | workmanship and finish | 7) | |
| | PREPARATION OF TEST REPORT | | 0.1 |
| | TOTAL TIME (Rounded) | | 11 |

Testing charges per man-hour is Rs.75.00. Hence complete testing charges for the products are Rs.825.00.

DG may kindly approve.

DCL(QA)
DDGL

(V.K. Sethi)
TS (QA)

ADGT
DG

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1985 07 22

TESTING CHARGES FOR IS 6030:1971 SODIUM PROPIONATE, FOOD GRADE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---------------------------|---------------------|-----------|
| 1. | Description | 2.1 | ½ |
| 2. | Solubility | 2.2 | 1 |
| 3. | Identification | 2.3 | 1 |
| 4. | pH | 2.4 | 1 |
| 5. | Purity | 2.5 & i) of table 1 | 1½ |
| 6. | Moisture | ii) " | 1 |
| 7. | Matter insoluble in water | iii) " | 1½ |
| 8. | Arsenic (as As) | iv) " | 2 |
| 9. | Lead (as Pb) | v) " | 2 |
| 10. | Iron (Fe) | vi) " | 2 |

PREPARATION OF TEST REPORT

½

TOTAL TIME :

14

ø4À0

ŠTesting charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1050.00

APPROVED BY THE COMPETENT AUTHORITY.

TESTING CHARGES FOR IS 6031:1997 CALCIUM PROPIONATE, FOOD GRADE

| CLAUSE NO. NO. | MAN-HOURS | |
|-------------------|---------------------------|-------------------|
| 1. | Description | 3 0.5 |
| 2. | Identification | 4.1.1 to 4.1.3 1 |
| 3. | pH of 10 % solution | 4.2 1 |
| 4. | Purity (on dry basis) | i) of Table 1 1.5 |
| 5. | Moisture | ii) " 1 |
| 6. | Matter insoluble in water | iii) " 1.5 |
| 7. | Arsenic (as As) | iv) " 2 |
| 8. | Heavy Metals | v) " 2 |
| 9. | Iron | vi) " 2 |

| | | | | |
|------------|----------------------------|-------|---|-------|
| 10. | Fluoride | vii) | " | 4 |
| 11. | Magnesium | viii) | " | 1 |
| | PREPARATION OF TEST REPORT | | | 0.5 |
| | | | | ----- |
| TOTAL TIME | | | | 18 |
| | | | | ----- |

Testing charges per man-hour are Rs. 75.00. Hence complete testing charges for the product are : Rs.1350.00

DG may kindly approve.

The revised BIS testing charges for IS 6046:1982 effective from 15-04-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

Subject: Testing Charges for Gypsum for Agricultural Use as per IS 6046:1982

| S.No | Req./ Characteristics | IS/Clause | Man- Hours spent in testing | Man- Hour cost of testing | Power consumption (if intersive) | Cost of power | Consumable cost (if significant) | Total cost of test |
|----------|-----------------------------|--|--------------------------------------|------------------------------------|---|-------------------|---|-----------------------|
| 1 | 2 | 3 | 4 | 5 = 4x Rs 300 | 6 | 7 = 6x Rs9 | 8 | 9 = 5+7+8 |
| 1 | Fineness | Cl. 2.1 of IS 6046 & Cl. 3 of IS 1288 | 2 hr | 600 | 2 | 18 | 50 | 668 |
| 2 | Calcium Sulphate Content | Cl. 2.2 of IS 6046 | 7 hr | 2100 | 5 | 45 | 100 | 2245 |
| 3 | Sodium Content | Cl. 2.2 of IS 6046 | 3 hr | 900 | 2 | 18 | 50 | 968 |
| | Total | | 12 hr | 3600 | 9 | 81 | 200 | 3881 |

Testing Charges per man-hour are Rs 300.

Hence Testing Charges for the product are = **Rs.3881.00**

DDGL may kindly approve.

P. Rajesh
Sc E,LPPD

Head (LPPD)
DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY
(QAD)

Ref: CL/QA/79

14.10.2013

Subject: Testing Charges for Gypsum for Agricultural Use as per IS 6046:1982

| S.No | Req./ Characteristics | IS/Clause | Man- Hours spent in testing | Man- Hour cost of testing | Power consumption (if intersive) | Cost of power | Consumable cost (if significant) | Total cost of test |
|------|-----------------------------|--|--------------------------------------|------------------------------------|---|------------------|---|-----------------------|
| 1 | 2 | 3 | 4 | 5 = 4x Rs 75 | 6 | 7 = 6x Rs9 | 8 | 9 = 5+7+8 |
| 1 | Fineness | Cl. 2.1 of IS 6046 & Cl. 3 of IS 1288 | 2 hr | 150 | 2 | 18 | 50 | 218 |
| 2 | Calcium Sulphate Content | Cl. 2.2 of IS 6046 | 7 hr | 525 | 5 | 45 | 100 | 670 |
| 3 | Sodium Content | Cl. 2.2 of IS 6046 | 3 hr | 225 | 2 | 18 | 50 | 293 |
| | Total | | 12 hr | 900 | 9 | 81 | 200 | 1181 |

Testing Charges per man-hour are Rs 75.

Hence Testing Charges for the product are = Rs.1181 (Rounded to 1180)

= **Rs 1180/- (Rupees One Thousand one Hundred Eighty)**

Adbhut Singh
(Sc-B, QA)

Sc- F & Head (CL)
Head (CQAPD)
Sc-G & Chief (Labs)

The revised BIS testing charges for IS 6047:2009 effective from 07-11-2016

**BIS CENTRAL LABORATORY
(Q.A. Department)**

TESTING CHARGES FOR SCOURING PRODUCTS FOR UTENSIL CLEANING AS PER IS 6047:2009, Amnd-1

| Sl.No. | Characteristics | Clause no. | Man-hours | Electricity power consumed | | Cost of consumables including reference material wherever applicable | Total charges for each test |
|---------------------------|---|------------------|-----------|----------------------------|------------|--|-----------------------------|
| | | | | Kwh | Cost @ 9/- | | |
| | | | @ 300/- | | | | |
| A. TEST PARAMETERS | | | | | | | |
| 1. | Retention on 250 micron IS sieve | Table 1, Cl. 4.2 | 2 | 2kwh | 18 | -- | 618.00 |
| 2. | Active matter | --do-- | 3 | 1kwh | 09 | 100.00 | 1009.00 |
| 3. | Active (Reserve) Alkalinity | --do-- | 1 | 1kwh | 09 | 50.00 | 359.00 |
| 4. | Matter insoluble in alcohol | --do-- | 1 | 1kwh | 09 | 50.00 | 359.00 |
| 5. | Moisture and Volatile matter content at 105°C | --do-- | 1 | 1kwh | 09 | -- | 309.00 |
| 6. | Lather, in ml | --do-- | 1 | - | - | -- | 300.00 |
| 7. | Cleaning efficacy, | --do-- | 2 | - | - | 50.. | 650.00 |

| | | | | | | | |
|----|---|--------|----|--------|----|--------|---------|
| | number of plates cleaned per 5g of sample | | | | | | |
| 8. | Tough soil cleaning in percentage | --do-- | 3 | 2kwh | 18 | 200.00 | 1118.00 |
| 9. | Surface damage | --do-- | 3 | - | - | 50.00 | 950.00 |
| | PREPARATION OF TEST REPORT | | 1 | 300.00 | | | |
| | TOTAL | | 18 | 8kwh | 72 | 500.00 | 5972.00 |

Testing charges per man-hour are Rs.300.00.

Total testing charges = $18 \times 300 + 8 \times 9 + 500 = 5972/-$ (for Type 1 & 4)
= Rs. $14 \times 300 + 4 \times 9 + 450 = 4686/-$ (For Type 2)
= Rs. $17 \times 300 + 7 \times 9 + 50 = 5213/-$ (For Type 3)

CA may kindly approve.

Praveen Kumar
T. A.

OIC (Chem)

As decided by Competent Authority, in order to keep the uniformity of testing charges for different Types, the testing charges(taken as average of all types) is Rs.5290.00 (for Type 1 to 4).

(P. Rajesh)
Sc.E, LPPD

Head, LPPD
DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref : CL/QA/79

11 Dec 2009

TESTING CHARGES FOR SCOURING POWDER FOR UTENSIL CLEANING AS PER IS 6047:2009

Testing charges per
Rs.75.00. Hence
the product are:

Total
= Rs.1922 (for type

= Rs.1536 (For

= Rs.1838 (For

The
on the basis of
received from

| Sl.No. | Characteristics | Clause No. | Man-hours | Electricity power consumed | | Cost of consumables including reference material wherever applicable | Total charges for each test |
|---------------------------|--|--------------|-----------|----------------------------|------------|--|-----------------------------|
| | | | | Kwh | Cost @ 9/- | | |
| | | | @ 75/- | | | | |
| A. TEST PARAMETERS | | | | | | | |
| 1. | Retention on 250 microne is sieve | Table 1, 4.2 | 2 | 2kwh | 18 | - | 168.00 |
| 2. | Active matter | --do-- | 3 | 1kwh | 09 | 100.00 | 334.00 |
| 3. | Active (Reserve) Alkalinity | --do-- | 1 | 1kwh | 09 | 50.00 | 134.00 |
| 4. | Matter insoluble in alcohol | --do-- | 1 | 1kwh | 09 | 50.00 | 134.00 |
| 5. | Moisture and Volatile matter content at 105 deg.C | --do-- | 1 | 1kwh | 09 | -- | 84.00 |
| 6. | Lather in ml | --do-- | 1 | - | | - | 75.00 |
| 7. | Cleaning efficacy, number of plates cleaned per 5g of sample | --do-- | 2 | - | - | 50.00 | 200.00 |
| 8. | Tough soil cleaning in percentage | --do-- | 3 | 2kwh | 18 | 200.00 | 443.00 |
| 9. | Surface damage | --do-- | 3 | - | - | 50.00 | 275.00 |
| | PREPARATION OF TEST REPORT | | 1 | | | | |
| | TOTAL | | 18 | 8kwh | 72 | 500.00 | 1922.00 |

man-hour are
testing charges for
Rs.75x18+8x9+500
1 & 4)

type 2)

type 3)

proposal is made
information
testing lab.

(K.S. Arya)

B (QA)

LO-

OIC (QA)
Head-CL
H (CQAPD)
DDGL

BIS CENTRAL LABORATORY
(Q.A. DEPARTMENT)

Our Ref: Lab/14.0

1997 04 15

TESTING CHARGES FOR IS 6106: 1971 TABLES, OPERATION, HYRAULIC, MINOR

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS | |
|---------------|----------------------------|--|---------------------------------------|-----|
| 1. | Material | 3.1] 3.2] 3.3.] 3.4] 3.5] | IS 1300] IS 1570] * IS 4034] | |
| 2. | Dimensions | 4.1] 4.2] | 2 | |
| 3. | Construction | 5.1] 5.2] 5.2.1] 5.3] | 2 | |
| 4. | Performance | 6.1 6.2 | 5 2 | 6.3 |
| | 3 | | | |
| 5. | Accessories | 8.1] 8.2] | 2 | |
| | PREPARATION OF TEST REPORT | | 3 | |
| | | TOTAL TIME : | ----- 19 ----- | |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are Rs.1425.00.

* If materials supplied separately, these shall be tested as per relevant ISS and charged accordingly.

DDGL may kindly approve.

JD(PSY)
DCL(QA)
DDGL
TS(QA)

(V.K.Sethi)
TS (QA)

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1982 03 15

TESTING CHARGES FOR IS 6126:1971 NITROCELLULOSE
SURFACE (REAFFIRMED 1976)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---|----------------|-----------|
| | REQUIREMENTS | | |
| 1. | Wt./10kG | 3.3 | 1 |
| 2. | Drying hours, hard dry & Compatibility | 3.4 of Table 1 | 1½ |
| 3. | Consistency | -do- | ½ |
| 4. | Finish | -do- | ½ |
| 5. | Colours | -do- | ½ |
| 6. | Scratch hardness | -do- | 1 |
| 7. | Flexibility & Adhesion | -do- | 1 |

| | | | |
|----|--|------|----|
| 8. | Volatile matter | -do- | 1 |
| 9. | Suitability for rubbing down & reacoating | -do- | 1 |
| | DURABILITY | 3.2 | |
| | A) Normal out door exposure | | 10 |
| | B) Accelerated weather | | 20 |
| | PREPARATION OF TEST REPORT | | ½ |

Testing charges per man-hour are Rs. 75.00.

Testing charges for the product shall be levied depending upon the nature of tests carried out.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1982 08 23

TESTING CHARGES FOR IS 6135:1981 SODA ASH, FUSED,
TECHNICAL (FIRST REVISION) "

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---------------------------|---------------------|-----------|
| 1. | Description | 2.1 | ½ |
| 2. | Volatile matter | 2.2 | 1 |
| 3. | Total alkalinity | 2.3 & i) of table 1 | 1 |
| 4. | Matter insoluble in water | " ii) " | 1 |

| | | | | |
|----|--|--------|---|---|
| 5. | Sulphate (as Na ₂ - So ₄) | " iii) | " | 2 |
| 6. | Chloride (as NaCl) | " iv) | " | 1 |
| 7. | Iron (as Fe ₂ - O ₃) | " v) | " | 1 |

PREPARATION OF TEST REPORT

½

TOTAL TIME :

8

 Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.600.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 6149:1984 effective from 24-03-2017

**BIS CENTRAL LABORATORY, SAHIBABAD
[CHEMICAL DEPARTMENT]**

TESTING CHARGES FOR IS 6149: 1984, Amnd-2
SINGLE ENDED OPEN-JAW ADJUSTABLE WRENCHES

| Sl.No. | Characteristics | Clause no. | Man-Hours | Electricity Power | Cost of Consumable including reference |
|--------|-----------------|-------------------|---------------------|-------------------|--|
| | kwh | Consumed material | | | wherever applicable |
| 1. | Material | Cl 5 | As per relevant ISS | | |

Remarks: Testing charges for the material shall be levied as per relevant ISS referred.

CA may kindly approve.

Rakesh Meena

LO-B

OIC (Chem)

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref:CL/QA/14:0

17 Nov 2016

TESTING CHARGES FOR IS: 6149:1984 SINGLE ENDED OPEN JAW-ADJUSTABLE WRENCHES

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|-----------------|------------|-----------|
| 1. | Dimensions | 4 | 1 |

| | | | |
|----|--|-----|------------------------------------|
| 2. | Material | 5 | As per IS 963 IS 1875 & IS 2108 |
| 3. | Hardness | 6 | 1.5 |
| 4. | Manufacture workmanship & Finish | 7 | 1 |
| 5. | Tests | 8 | |
| | a) Longitudinal play of adjustable jaw | 8.1 | 0.5 |
| | b) Transverse play of adjustable jaw | 8.2 | 0.5 |
| | c) Torque | 8.3 | 1.5 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ----- |
| | TOTAL TIME | | 7 |

Testing charges per man hour are Rs.300.00. Hence complete testing charges for the product are Rs.2100.00 excluding material test charges.

Hare Ram
Lo-A

OIC (Mech)
OIC (QA)
Head (CL)

As decided by CA, testing charges are Rs.2100/- and material testing charges as per relevant referred ISs.

(Kshitij Bathla)
SC.B, LPPD

Head, LPPD

DDGL

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref:CL/QA/14:0

2003-05-30

TESTING CHARGES FOR IS: 6149:1984 SINGLE HANDED OPEN JAW-ADJUSTABLE
WRENCHES

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|--|------------|---|
| 1. | Dimensions | 4 | 1 |
| 2. | Material | 5 | As per IS 963:58 IS 1875:78 & IS 2108:77 |
| 3. | Hardness | 6 | 1.5 |
| 4. | Manufacture workmanship & Finish | 7 | 1 |
| 5. | Tests | 8 | |
| | a) Longitudinal play of adjustable jaw | 8.1 | 0.5 |
| | b) Transverse play of adjustable jaw | 8.2 | 0.5 |
| | c) Torque | 8.3 | 1.5 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ----- |
| | TOTAL TIME | | 7 |

Testing charges per man hour are Rs.75.00. Hence complete testing charges for the product are Rs.525.00 excluding material test charges. New product under certification.

(Avtar Singh)
D&H(QA)

DDGL

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 03 02

TESTING CHARGES FOR IS 6171:1979 TECHNICAL SUPPLY CONDITIONS FOR
SCREWING TAPS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|------------------|---------------------|
| 1. | Material | 3 | |
| | a) High speed steel | | As per IS 7291:1974 |
| | b) Tensile strength of carbon steel (separate raw material required) | | 2 |
| 2. | Hardness | 4 | 2½ |
| 3. | General requirements | | |
| | a) Flutes | 5.1 ³ | ½ |
| | b) Thread relief | 5.2 ³ | |

| | | |
|--|-------|-------------------------------|
| c) Dimensions of chamfer | 5.3 | |
| & hand of cutting | 5.4 | ½ |
| d) Radial run out | 5.5 | Facility not available at CL. |
| e) Back taper | 5.6 | ½ |
| f) Serial taps (dimensional) | 5.7, | |
| and class of taps | 5.8 | 1 |
| g) External centre and centre holes (as per IS 2473 :75) | 5.12 | ½ |
| 4. Tests (inspection) | 7 | 3 |
| 5. Protective casting, packing and marking | 8 , 6 | ½ |
| PREPARATION OF TEST REPORT | | ½ |
| | | ----- |
| TOTAL TIME : | | 12 |
| | | ----- |

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.900.00 excluding material at Sl. No. 1 above & radial run out requirement for which facilities are not available in CL. Material shall be tested if separate raw material is supplied and the charges shall be as per IS 7291 plus Rs. 150.00 for tensile strength of carbon steel.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1982 09 16

TESTING CHARGES FOR IS 6177:1981 PHOSPHAMIDON WATER SOLUBLE
CONCENTRATES (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-------|-------------|-----------|
|------|-------|-------------|-----------|

| | | | |
|----|----------------------|-----|----|
| 1. | Description | 2.1 | ½ |
| 2. | Phosphamidon content | 2.2 | 4½ |
| 3. | Acidity | 2.3 | 1 |
| 4. | Solubility | 2.4 | ½ |

PREPARATION OF TEST REPORT

½

TOTAL TIME :

7

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.525.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

TESTING CHARGES FOR IS 6181:1971 VARNISH BONDED CLASS-FIBER BRAIDED
RECTANGULAR COPPER CONDUCTORS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------|---|
| 1. | Conductor | 4 | |
| | a) Dimensions | | ½ |
| | b) Radius on corners | | ½ |
| | c) Resistance | | ½ |
| | d) Tensile strength & elongation | | 1 |
| 2. | Increase in dimensions due to covering | 5.4 | 1 |
| 3. | Flexibility and adherence | 5.5 | |
| | a) Flexibility | 5.5.1 | |
| | i) As received | | ½ |
| | ii) after heating | | 1 |
| | b) Adherence | 5.5.2 | 1 |
| 4. | Breakdown Voltage | 5.6 | Presently, facility at central laboratory is not available. |
| 5. | Cure test | 5.7 | ½ |
| 6. | Glass Fiber yarn | | |
| | a) Alkali content | 5.2.1 | 1 |
| | b) pH value of aqueous extract of glass fiber | 5.2.2 | 1 |
| 7. | Packing & Marking | 6 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME :

10

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.750.00 excluding

Breakdown voltage test for which facilities are not available at CL.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 03 19

TESTING CHARGES FOR IS 6192:1984 MONOAXIALLY ORIENTED HIGH DENSITY □
POLYETHYLENE TAPES

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---|------------------|--|
| 1. | * Material | | |
| | a) Density | 3 | 2 |
| | b) Melt index | | 1 |
| 2. | REQUIREMENTS | 4 | |
| | a) Linear density | 4.1 | ½ |
| | b) Tenacity | 4.2 ³ | |
| | | ³ | 2 |
| | c) Elongation | 4.3 ³ | |
| | d) Thickness | 4.4 ³ | |
| | | ³ | ½ |
| | e) Width | 4.5 ³ | |
| | f) Fastness to light (By xenon arc, and reqd. in case of pigmented tapes only) | 4.6 | Testing facility not available at CL. |
| | g) Heat shrinkage | 4.7 | 1 |
| 3. | Marking & Packing | 6 & 7 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME :

8

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.600.00 excluding the fastness to light for which testing facilities are not available at CL.

* Testing facilities are not available at CL.

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 6218:2008 effective from 22-08-2017

BIS CENTRAL LABORATORY, SAHIBABAD

[CHEMICAL DEPARTMENT]

TESTING CHARGES FOR IS 6218:2008,Amnd-Nil

Bicycle – Mudguards

| Sl.No | TESTS | CLAUSE | MAN-HOURS |
|-------|----------------------|--------|---------------------|
| | Chemical composition | | |
| 1. | Material | 3 | As per referred ISS |

Remarks: Testing charges for the material shall be levied as per relevant ISS referred.

CA may kindly approve.

RakeshMeena
LO-B

Sc.-B (Chem)

OIC (Chem)

BIS - Centra Laboratory
Mechanical Laboratory

Sub. Proposal for the Time Estimate for Bicycle Mudguards
: as per
IS 6218:2008 Amendments
Nil

| SI.No | Characteristics | Clause No./ Table | Man- hours | Electric Power required(kwh) | Consumabl e Cost (Rs) | Test facility at CL Available/Not avail. |
|-------|--|--|---------------|----------------------------------|--------------------------------|--|
| 1 | Manufacture, Workmanship and Finish a) Width b) Depth c) Thickness d) Freedom from Manufacturing Defects e) Finishing of Paint | 4 4.1 4.1 4.1 4.2 4.3 | 7 | | | A |
| 2 | Tests a) Impact Test of Paint b) Peel off test of paint c) Warping of the mudguards | 5 5.1 5.2 5.3 | 10 | | | A |
| 3 | Preparation of test report & calculations | | 1 | | | |

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
|--|--|--|--|--|--|--|

Total 18 Hrsx 300 = Rs 5400

Note :

1 Above estimate is only for Mechanical Testing

2 Sample size for testing required : 2 Pcs

OIC(Mech)

(SheeshPal)

LO-A

**OIC(QA)
Head, CL**

As decided by CA, testing charges are Rs. 5400/- and material testing charges as per relevant referred ISs

(Ankita

Tripathi)

Sc.B, LPPD

**Head, LPPD
DDGL**

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF. : LAB/14:0

2002-06-25

TESTING CHARGES FOR IS 6234:1986 PORTABLE FIRE EXTINGUISHERS WATER TYPE (STORED PRESSURE)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---------------------------------|--------------|-------------------------|
| 1. | Capacity | 3.1 | 1 |
| 2. | Materials | | |
| a) | i) Body | | IS 513 |
| | ii) Neck Ring | | IS 318 |
| | iii) Valve | Table 1 | IS 291, 319 |
| | iv) Syphon Tube | | IS 3601, 407 |
| | v) Nozzle | | IS 617, 318, 291 319 |
| b) | Hose | Table 1 | 2 |
| 3. | Shape | 5.1 | 0.5 |
| 4. | Construction | 6.1 to 6.2.1 | 2.0 |
| 5. | Neck Ring | 6.4 | 1.0 |
| 6. | Valve | 6.5 | 1.0 |
| 7. | Hose | 6.6 | 0.5 |
| 8. | Nozzle | 6.7 | 1.0 |
| 9. | Syphon tube | 6.8 | 1.0 |
| 10. | Pressure Gauge | 6.9 | 0.5 |
| 11. | Anti Corrosive treatment | 7 | 0.5 |
| 12. | Painting | 8 | 1.0 |
| 13. | Test requirements | | |
| i) | Performance test | 9.1 | 2 |
| ii) | Hydraulic pressure test | 9.2 | 2 |
| iii) | Hydraulic burst failure test | 9.3 | 2 |
| 14. | Marking | 11.1 | 1.0 |

PREPARATION OF TEST REPORT

3

TOTAL TIME

22

TESTING CHARGES FOR IS 6234:1986 PORTABLE FIRE EXTINGUISHERS WATER TYPE (STORED PRESSURE)

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1650.00 Materials, if supplied, shall be tested as per relevant ISS and charges shall be levied accordingly.

(Yad Ram)
TS(QA)

DCL(QA)
DDGL
ADGT
DG

The revised BIS testing charges for IS 6240:2008 effective from 24-03-2017

**BIS CENTRAL LABORATORY, SAHIBABAD
[CHEMICAL DEPARTMENT]**

TESTING CHARGES FOR IS- 6240:2008, Amend-Nil

Hot Rolled Steel Plate (up to 6 mm) Sheet and Strip for the Manufacture of Low Pressure Liquefiable Gas Cylinders

| SI.No. | Characteristics | Clause no. | Man-Hours | Electricity Power | Cost of Consumable including reference | |
|--------|---------------------------|----------------------------|-----------|-------------------|--|----------------------|
| | | Consumed material wherever | | kwh | applicable | |
| | | | | | | -----1. |
| | | | | | | Chemical Composition |
| | As per Clause 6, table -1 | | | | | |
| | i) Carbon | | 2 | 6 | 50.00 | |
| | ii) Sulphur | | 2 | 6 | 50.00 | |

| | | | |
|-----------------|---|---|-------|
| iii) Phosphorus | 3 | 6 | 50.00 |
| iv) Manganese | 3 | 6 | 50.00 |
| v) Silicon | 3 | 6 | 50.00 |
| vi) Aluminium | 3 | 6 | 50.00 |

PREPARATION OF TEST REPORT 1

| | | | |
|-------|----|----|--------|
| Total | 17 | 36 | 300.00 |
|-------|----|----|--------|

Testing charges per man-hour Rs.300.00

Electricity power consumption Rs.9.00 per KWH

Hence complete testing charges for the product: - 5724/-, Rounded off to Rs.5750/-

Remarks:

- i) Testing charges for each elements other than Table 1 (Nb, Ti, V, N) will be Rs. 1004/-

CA may kindly approve.

Rakesh Meena
LO-B

Sc-B (Chem)

OIC (Chem)

OIC(QA)

BIS- CentralLaboratory
Mechanical Laboratory

Sub. Proposal for the Time Estimate for Hot Rolled Steel Plate(Upto 6mm), Sheet & Strip

:

For the Manufacture Of Low Pressure Liquifiable Gas Cylinders.

IS 6240 : 2008

| SI.No. | Characteristics | Clause No./ Table | Man- hours | Electric Power required(kwh) | Consumabl e Cost (Rs) | Test facility at CL Available/Not avail. |
|--------|-----------------|----------------------|---------------|----------------------------------|-----------------------------|---|
| 1 | Tensile Test | 7 | 4 | 10 kWh | | A |
| 2 | Bend Test | 8 | 3 | 10 kWh | | A |

| | | | | | |
|---|------------------------------|----|-----|--------|---------------|
| 3 | Strainage Embrittlement Test | 9 | 2 | 20 kWh | A |
| 4 | Erichsen Cupping Test | 10 | --- | --- | Not available |
| 5 | Freedom From Defects | 12 | 0.5 | --- | A |
| 6 | Dimensions & Tolerances | 13 | 1 | --- | A |
| Preparation of test report & calculations | | | 1.5 | --- | |

Total 12 Hrs + 40 kwh = Rs 3960

Note :

1 Above estimate is only for Mechanical Testing .

2 Sample size for testing required : 0.5 metre length X 2 Pcs + Chemical testing

OIC(Mech)

OIC(QA)

LO(B)
Mech.Lab

As decided by CA, testing charges are Rs.9710/- excluding Erichsen cupping test.

(Kshitij Bathla)
Sc.B, LPPD

Head, LPPD
DDGL

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 12 05

TESTING CHARGES FOR IS 6240:1989 HOT ROLLED STEEL PLATE (UPTO 6 mm)
SHEET & STRIP FOR THE MANUFACTURE OF LOW PRESSURE LIQUEFIABLE GAS
CYLINDERS (SECOND REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-----------------------------------|-----------------|--|
| 1. | Chemical composition | 6 | |
| | a) Carbon | | 1 |
| | b) Manganese | | 2.5 |
| | c) Silicon | | 2.5 |
| | d) Sulphur | | 2 |
| | e) Phosphorus | | 2 |
| | f) Aluminium | | 2 |
| 2. | Tensile test | 7 | 3 |
| 3. | Bend test | 8 | 2 |
| 4. | Strainage Embrittle- ment test | 9 | 3 |
| 5. | Erichsen Cupping test | 10 ³ | Testing facilities not available at CL. |
| | | ³ | |
| 6. | Microstructure test | 11 ³ | |

| | | | |
|----|------------------------|----|-----|
| 7. | Freedom from defects | 13 | 0.5 |
| 8. | Dimensions & Tolerance | 14 | 1 |

PREPARATION OF TEST REPORT 0.5

TOTAL TIME : 22

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.1650.00. excluding
tests at Sl. No. 5 & 6 for which testing facilities are not
available at CL.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 09 06

TESTING CHARGES FOR IS 6248:1979, METAL ROLLING SHUTTERS
AND ROLLING GRILLS (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---|-------------|---------------------------------|
| 1. | Material | 6 | |
| | a) Cold rolled steel strips | 6.1 | AS per IS 4030:1973 |
| | b) Mild steel sections | 6.2 | " IS 5936:1970 |
| | c) Steel Pipes | 6.3 | " IS 1161:1968 |
| | d) Cast Iron casting | 6.4 | " Grade 15 of IS 210:70 |
| | e) Springs | 6.5 | " Grade 2 od IS 4454:(P-1):1975 |
| | f) Malleable cast iron | 6.6 | " IS 2106:1962 |
| | g) Aluminium alloy sheets | 6.7 | " IS 737:1974 |
| | h) Aluminium alloy extrusions | 6.8 | " IS 733:1975 |
| 2. | Fabrication | 7 | 7 |
| 3. | Captional features (including galvanizing cl. 7.10.4) | 7.10 | 1 |

| | | | |
|----|----------------|---|---|
| 4. | Operation | 8 | 10 (Testing facility not available) |
| 5. | Rolling Grills | 9 | Testing charges are included in Sl. No. 1-4 above). |

PREPARATION OF TEST REPORT

½

Testing charges per man-hour are Rs. 75.00.

Testing charges for the product are to be levied as per the tests carried out.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1987 12 23

TESTING CHARGES FOR IS 6271:1971 METAL POLISHES (SPECIAL)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|-------------|-----------|
| 1. | Composition | 2.1 | 1 |
| 2. | Odour | 3.1 | ½ |
| 3. | Polishing properties | 3.2 | 3 |
| 4. | Sieving | 3.3 | 1 |
| 5. | Freedom from cyanides | 3.4 | ½ |
| 6. | Acidity | 3.5 | ½ |
| 7. | Packing & Marking | 4.1 & 4.2 | ½ |
| 8. | Keeping properties | | 6½ |
| | PREPARATION OF TEST REPORT | | ½ |

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.600.00 excluding keeping properties test. The charges for keeping properties tests are Rs.525.00 additional.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1986 04 08

TESTING CHARGES FOR IS 6301:1971 BASIC CHROMIUM SULPHATE (FOR
TANNING)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---|-----------------------|-----------|
| 1. | Description | 2.1 | ½ |
| 2. | Moisture | 2.2 & i) of table 1 | 1 |
| 3. | Free Sulphate (as Na ₂ - SO ₄) | " ii) " | 2½ |
| 4. | Basicitysand | " iii) " ³ | 3 |
| 5. | Chromimum (as Cr ₂ - O ₃) | " iv) " ³ | |
| 6. | Matter insoluble in water | " v) " | 1½ |
| 7. | pH of aqueous solution | " vi) " | 1 |
| 8. | Unreduced Chromium | " vii) " | 1 |
| | PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME :

11

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.825.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1988 09 22

TESTING CHARGES FOR IS 6315:1986 FLOOR SPRINGS (HYDRAULICALLY
REGULATED) FOR HEAVY DOORS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|-------------|---------------------|
| 1. | Material | | |
| | a) Visual inspection | 4 | 2½ |
| | b) Requirements | Table 1 | AS per relevant ISS |
| 2. | Manufacture & Construction | 5 | 1 |
| 3. | * Dimensions & | 6 | 3 |

| | Tolerance (if required) | | |
|----|-----------------------------|-------------------|--------|
| 4. | Construction | 7 | 2 |
| 5. | Performance requirements | 8.1 to 8.3 8.4 | 7 1 |
| 6. | Workmanship | 9 | ½ |
| 7. | Finish | 10 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME : 18

Testing charges per man-hour are Rs. 75.00.

Š4À0

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Hence testing charges for the product are : Rs.1350.00 excluding material conformity testing as per the referred ISS. Charges for material if tested for conformity to relevant specification shall be additional.

* To be checked against the manufacture's drawing only, if received.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1992 01 17

TESTING CHARGES FOR IS 6352:1991 SLOT DRILLS WITH PARALLEL SHANK

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-------------------------------------|-------------|-----------------------------|
| 1. | Dimensions | 5 & Table 1 | 2 |
| 2. | Materials & hardness | 7 | AS per IS 1830 |
| 3. | General requirements and Marking | 8 & 11 | As per IS 1830 & IS 8692 |
| 4. | Protective coating and Packing | 12 | AS per IS 1830 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 3 |

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.225.00. excluding tests as per IS 1830 and IS 8692.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1992 01 17

TESTING CHARGES FOR IS 6354:1991, END MILIS WITH MORSE TAPER
TAPPED END SHANK

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-------------------------------------|-------------|-----------------------------|
| 1. | Dimensions & Tolerance | 5 & 6 | 2 |
| 2. | Materials & Hardness | 7 | AS per IS 1830 |
| 3. | General requirements and Marking | 8 & 11 | As per IS 1830 & IS 1715 |
| 4. | Preservative Coating and Packing | 12 | As per IS 1830 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 3 |

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.225.00. excluding tests for requirements as per IS 1830 & IS 1715.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

19

TESTING CHARGES FOR IS 6360:1971 LACTO BONBON

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------------|-----------------------------|
| 1. | General requirements | 5.1 | ½ |
| 2. | Estimation of quantity of added colour | 5.1.1 | Method not specified in ISS |
| 3. | Moisture | 5.3 &i)of table 1 | 1 |
| 4. | Ash sulfated | " ii) " | 1½ |
| 5. | Acid insoluble ash | " iii) " | 1½ |

| | | | | | |
|-----|-----------------|---|------|---------|-----------------------------|
| 6. | Reducing sugars | " | iv) | " | 1 |
| 7. | Lactose | " | v) | " | Method not specified in ISS |
| 8. | Sulphur dioxide | " | i) | Table 2 | 2 |
| 9. | Arsenic | " | ii) | " | 2 |
| 10. | Lead | " | iii) | " | 2 |
| 11. | Copper | " | iv) | " | 2 |
| 12. | Zinc | " | v) | " | 2 |
| 13. | Tin | " | vi) | " | 2 |

PREPARATION OF TEST REPORT

½

TOTAL TIME :

18

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.1350.00 excluding tests at Sl. No. 2 & 7 for which no method has been specified in the ISS.

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 6385:1997 effective from 15-05-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR SACCHARIN, FOOD GRADE AS PER IS 6385:1997.

* Test facility for the available at CL.

Testing charges per Rs.300.00. Hence the product are:

Total
15.5x9 + 1200 = **Rs**

DDGL may approve.

**E, LPPD
Head (LPPD)
DDG (Labs)**

| Sl.No. | Characteristics | Clause No. | Man-hours | Electricity power consumed | | Cost of consumables including reference material wherever applicable | Total charges for each test |
|-----------------------------------|------------------------------------|--------------|-----------|----------------------------|------------|--|-----------------------------|
| | | | | Kwh | Cost @ 9/- | | |
| | | | @ 300/- | | | | |
| A. TEST PARAMETERS | | | | | | | |
| 1. | Description | 3.1 | 0.5 | - | - | - | 150 |
| 2. | Identification | 4.1 | 2 | - | | 50.00 | 650.00 |
| 3. | i) Melting range | 4.2, Table 1 | 1 | 2 | 18 | | 318.00 |
| | ii) Purity as C7H5NO3S | --do-- | 1 | 0.5 | 4.5 | 50.00 | 354.5 |
| | iii) Moisture | --do-- | 1 | 2 | 18 | - | 318.00 |
| | iv) Benzoic & Salicylic acids | --do-- | 0.5 | 0.5 | 4.5 | - | 154.5 |
| | v) Readily carbonizable substances | --do-- | 3 | 0.5 | 4.5 | 500.00 | 1404.00 |
| | vi) Sulphated Ash | --do-- | 1.5 | 4 | 36 | - | 486.00 |
| | vii) Toluenesulphonamides * | --do-- | 4 | 4 | 36 | - | 1236.00 |
| | viii) Heavy metals | --do-- | 2 | - | | 100.00 | 700.00 |
| | ix) Arsenic | --do-- | 1.5 | - | | 200.00 | 650.00 |
| | x) Selenium | --do-- | 2 | 2 | 18 | 300.00 | 918.00 |
| PREPARATION OF TEST REPORT | | | 1 | 300.00 | | | |
| TOTAL | | | 21 | 15.5 | 139.5 | 1200.00 | 7639.00 |

test mentioned is not

man-hour are testing charges for

Rs.21x300 + **7639.00**

kindly

**P.
Rajesh**

Sc

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref : CL/QA/79

21 April 2009

TESTING CHARGES FOR SACCHARIN, FOOD GRADE AS PER IS 6385:1997.

* Test facility for the available at CL.

Testing charges per Rs.75.00. Hence the product are:

Total + 1200 = Rs Rounded to

The on the basis of received from

DQA
H (COAPD).
DDGL

LO-

| Sl.No. | Characteristics | Clause No. | Man-hours | Electricity power consumed | | Cost of consumables including reference material wherever applicable | Total charges for each test |
|-----------------------------------|------------------------------------|--------------|-----------|----------------------------|------------|--|-----------------------------|
| | | | @ 75/- | Kwh | Cost @ 4/- | | |
| A. TEST PARAMETERS | | | | | | | |
| 1. | Description | 3.1 | 0.5 | - | - | - | 37.5 |
| 2. | Identification | 4.1 | 2 | - | - | 50.00 | 125.00 |
| 3. | i) Melting range | 4.2, Table 1 | 1 | 2 | | | 79.00 |
| | ii)Purity as C7H5NO3S | --do-- | 1 | 0.5 | | 50.00 | 127.00 |
| | | --do-- | | | | | |
| | iii) Moisture | --do-- | 1 | 2 | | - | 83.00 |
| | iv) Benzoic & Salicylic acids | --do-- | 0.5 | 0.5 | | - | 39.5 |
| | v) Readily carbonizable substances | --do-- | 3 | 0.5 | | 500.00 | 727.00 |
| | vi) Sulphated Ash | --do-- | 1.5 | 4 | | - | 128.50 |
| | vii) Toluenesulphonamides * | --do-- | 4 | 4 | | - | 316.00 |
| | viii) Heavy metals | --do-- | 2 | - | | 100.00 | 250.00 |
| | ix) Arsenic | -- do -- | 1.5 | - | | 200.00 | 312.50 |
| | x) Selenium | | 2 | 2 | | 300.00 | 458.00 |
| PREPARATION OF TEST REPORT | | | 1 | | | | 75.00 |
| TOTAL | | | 21 | 15.5 | - | 1200.00 | 2837 (rounded Rs.2840/-) |

test mentioned is not

man-hour are testing charges for

Rs.21x75 + 15.5x4
2837.00
Rs.2840/-

proposal is made information testing lab.

(K.S. Arya)

B (QA)

TESTING CHARGES FOR IS 6386:1971 BETA-APO-8-CAROTENAL, FOOD GRADE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-----------------------------------|---------------------|-----------|
| 1. | Physical description & Packing | 2.1 & 3.1 | ½ |
| 2. | Solubility | 2.2 | ½ |
| 3. | Identification test | 2.3 | |
| | a) Melting range | 2.3.1 | 1 |
| | b) Absorbance ratio | 2.3.2 | 1 |
| | c) Colour changes in solutions | 2.3.3 & 2.3.4 | 1 |
| 4. | Purity | 2.4 & i) of table 1 | 2 |
| 5. | Sulphated ash | " ii) " | 1½ |
| 6. | Arsenic (as As) | " iii) " | 2 |
| 7. | Lead (as Pb) | " iv) " | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 12 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.900.00

APPROVED BY THE COMPETENT AUTHORITY
BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1992 01 17

TESTING CHARGES FOR IS 6388:1991 SLOT DRILLS WITH MORSE TAPER
SHANKS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-------------------------------------|-------------|-----------------------------|
| 1. | Dimensions | 5 & Table 1 | 2 |
| 2. | Materials & hardness | 7 | AS per IS 1830 |
| 3. | General requirements and Marking | 7 & 11 | As per IS 1830 & IS 1715 |
| 4. | Protective coating and Packing | 12 | AS per IS 1830 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 3 |

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.225.00 excluding
tests as per IS 1830 & IS 1715.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1991 01 11

TESTING CHARGES FOR IS 6390:1983 DOMESTIC ELECTRIC CLOTH WASHING
MACHINES (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|------------------------------------|------------------|-----------|
| 1. | Marking & Finish | 7 & 33 | ½ |
| 2. | Protection against electric shock | 8 3 3 3 | ½ |
| 3. | Starting | 9 3 | |
| 4. | Input & current | 10 | ½ |
| 5. | Temperature rise | 11 | 4 |
| 6. | Operation under overload condition | 12 | 2 |

| | | | | |
|-----|--|----|--|--------------------------------|
| 7. | High voltage & Leakage current | 13 | | ½ |
| 8. | Radio & Television interference suppression | 14 | | Testing facility not Available |
| 9. | Moisture resistance | 15 | ³ ₃ | |
| 10. | Insulation resistance & electric strength (after humidity treatment) | 16 | ³ ₃ ₃ | 2 |
| 11. | Endurance | 18 | | 4 |
| 12. | Abnormal Operation | 19 | | 2 |
| 13. | Stability & Mechanical Hazards | 20 | ³ ₃ ₃ | ½ |
| 14. | Mechanical strength | 21 | ³ | |

| S NO | TESTS | CLAU SE REF. | | MAN-HOURS |
|------|-------------------------------------|---------------|------------------------------|-----------|
| 15. | Thermal controls & Overload release | 24 | | 2 |
| 16. | Internal wiring | 23 | ³ ₃ | ½ |
| 17. | Terminals for External conductors | 26 | ³ | |
| 18. | Cord grip & Cord guard | 25.10 & 25.11 | ³ ₃ | 1 |
| 19. | Provision for earthing | 27 | ³ | |
| 20. | Screws & connections | 28 | | ½ |
| 21. | Creepage distance & | 29 | | ½ |

clearances

| | | | |
|-----|---|---------------|---|
| 22. | Resistances to Heat, fire & Cracking | 30 | 1 |
| 23. | Resistance to rusting | 31 | ½ |
| 24. | Performance & performance of heating units | 101 | 3 |
| 25. | Construction | 22.2 & 22.102 | 1 |
| | PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME :

27

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.2025.00 excluding for
the test at Sl. No. 8 for which testing facility is not available at
CL.

APPROVED BY THE COMPETENT AUTHORITY.

The BIS testing charges for IS 6392:1971 effective from 12-02-2018

BIS SRO LABORATORY, CHENNAI-113.

(MECHANICAL SECTION)

Ref: SROL/MECH/TC/IS 6392

Dt.27-09-2017.

Sub: Testing Charges of Steel Pipe Flanges as per **IS 6392:1971(reaffirmed 2009)**, reg.

| SL NO. | TEST PARAMETERS | Cl. Ref. | Man Hrs | Electricity Power in KWH | Cost of Consumables & materials | REMARKS |
|--------|--|-----------------------------|------------------|--------------------------|---------------------------------|-----------|
| 1. | Material, Classification, Designation & Finish | 2,3,4,6.2 & table 1 | 2 | | | |
| 2. | Flanges: Dimensions & tolerances Attachment of Flanges | 5.1 & 6.1 table 2 7 | 2 1 | | | |
| 3. | Tests: Other properties | | | | | |
| | a) Tensile tests | 3.2.3, Appendix A, Table 43 | 2 | 10 kwh | | |
| | b) Hydraulic testing of Flanges | 8 | 2 | | | |
| 4. | Reporting / verifying | | 1 | | | |
| | Total man hrs | | 10 | | | |
| 5. | Cost of man hrs | | 10 X @30 0 | | | =3000 |
| 6. | Cost of power (EB) | | 10 X @7 | | | =70 |
| 7. | Total Testing charges per sample | | 5 + 6 | | | = Rs 3070 |

As decided by Competent Authority, the testing charges for the product are Rs 3070/- +

**(Ankita Tripathi)
Sc.B, LPPD**

HLPPD

DDG (Labs)

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1986 04 21

TESTING CHARGES FOR IS 6405:1971 CANTHAXANTHINE, FOOD GRADE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-----------------------------------|------------------|-----------|
| 1. | Physical description & packing | 2.1 & 3.1 | ½ |
| 2. | Solubility | 2.2 | ½ |
| 3. | Identification tests | 2.3 | |
| | a) Melting ranges | 2.3.1 | 1 |
| | b) Absorption | 2.3.2 | 1 |
| | c) Colour changes in solution | 2.3.3 & 2.3.4 | 1 |

| | | | | |
|----|----------------------------|----------|------------|----|
| 4. | Purity | 2.4 & i) | of table 1 | 2 |
| 5. | Sulphated ash | " | ii) | 1½ |
| 6. | Arsenic (as As) | " | iii) | 2 |
| 7. | Lead (as Pb) | " | iv) | 2 |
| | PREPARATION OF TEST REPORT | | | ½ |

TOTAL TIME : -----
12

 Testing charges per man-hour are Rs. 75.00.
 Hence complete testing charges for the product are : Rs.900.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 6406:1994 effective from 07-11-2016

**CENTRAL LABORATORY, SAHIBABAD
[CHEMICAL DEPARTMENT]**

| NO. | Part | Sec | Year | Title | Variety (Grade/Type/Size) | Cl. ref. of IS | Requirement | Time*(Hours) | Power KWH consumption (if intensive) | Consumable | Remarks |
|-----|------|-----|---------------|---------------------|---------------------------|------------------|---|--------------|--------------------------------------|-------------|---------|
| 6 | | | 1994 | Brilliant Blue FCF, | Food Grade | | | | | | |
| | | | Amend No. Nil | Specification | | | <u>Chemical Requirements</u> | | | | |
| | | | | | | Cl. 3.1, Table 1 | i) Total dye content | 2.5 | 5 | 10 | |
| | | | | | | | ii) Loss on drying at 135°C and chlorides and sulphates | 4 | 6 | 50 | |
| | | | | | | | iii) Water Insoluble Matter | 2 | 5.5 | - | |
| | | | | | | | iv) Cobined ether extracts | 2 | 5 | 750 | |
| | | | | | | | v) Subsidiary dyes | 3 | 1 | 350 | |
| | | | | | | | vi) Dye intermediates | | | | |
| | | | | | | | a) O, sulpo-benzaldehyde | | | | |
| | | | | | | | b) N_N'ethyl-benzl-aniline-3-sulphonic acid | 3 | 1 | 300 | |
| | | | | | | | c) Leuco base | 4 | 1 | 400 | |
| | | | | | | | vii) Heavy metals (as Pb) | 2 | 9 | 75 | |
| | | | | | | | -Lead | 2 | 1 | 150 | |
| | | | | | | | -Arsenic | 2 | 1 | 150 | |
| | | | | | | | -Chromium | 2 | 1 | 150 | |
| | | | | | | | <u>Report Preparation</u> | 1 | | | |
| | | | | | | | Total | 29.5 | 36.5 | 2385 | |

Testing charges per man-hour=Rs 300

Power consumption per unit =Rs 9

Total testing charges= 29.5 x 300+36.5 x 9+2385 = **Rs 11563.5/-**

CA may kindly approve.

Mayank Srivastava

T.A.

OIC (Chem)

Head(CL) - DDG (Labs) may kindly approve the testing charges.

As decided by Competent Authority, the testing charges for the product are **Rs.11560.00 (rounded off)**

(Kshitij Bathla)
Sc.B, LPPD

HLPPD
DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1986 03 07

TESTING CHARGES FOR IS 6406:1977 BRILLIANT BLUE FCF, FOOD GRADE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---|---------------------|-----------|
| 1. | Total dye content corrected for sample, dried at 105°C for 2 hours | 2.1 & i) of table 1 | 2 |
| 2. | Volatile matter at 135°C and Chloride and sulphate expressed as sodium salt | " ii) " | 2 |
| 3. | Water insoluble matter | " iii) " | 1 |
| 4. | Combined ether extracts | " iv) " | 2 |
| 5. | Subsidiary dyes | " v) " | 2 |
| 6. | Dye Intermediates | " vi) " | 2 |
| 7. | Lead mg/kg | " vii) " | 2 |

| | | | | | |
|----|----------------------------|---|-------|---|---|
| 8. | Arsenic mg/kg | " | viii) | " | 2 |
| 9. | Chromium mg/kg | " | ix) | " | 2 |
| | PREPARATION OF TEST REPORT | | | | ½ |

TOTAL TIME : -----
18

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1350.00

APPROVED BY THE COMPETENT AUTHORITY

BIS CENTRAL LABORATORY, SAHIBABAD

[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1993 03 03

TESTING CHARGES FOR IS 6419:1971 WELDING RODE & BARS ELECTRODES FOR
GAS SHIELDED ARC WELDING OF STRUCTURAL STEELS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-------------------|-------------|-----------|
| 1. | Dimensions | 4 | ½ |
| 2. | Reels of wire | 5 | ½ |
| 3. | Reeling condition | 6 | ½ |
| 4. | Length of rod | 7 | ½ |
| 5. | Condition of rods | 8 | |
| | i) Visual | 3 3 | 4 |

ii) Copper content ³

| | | | |
|----|----------------------------|---------|----|
| 6. | Chemical composition | 10 | 32 |
| 7. | Packing & Marking | 12 & 13 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME : 39

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.2925.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1982 09 27

TESTING CHARGES FOR IS6429:1981 HEPTACHLOR DUSTING
POWDERS (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--------------------|---------------|-----------|
| 1. | Description | 2 | ½ |
| 2. | Heptachlor content | i) of table 1 | 5 |
| 3. | Material passing | ii) " | 1 |

through sieve

| | | | | | |
|----|--------------|------|---|---|---|
| 4. | Bulk density | iii) | " | | ½ |
| 5. | Acidity | iv) | " | 3 | |
| | or | | | 3 | 1 |
| | Alkalinity | v) | " | 3 | |

PREPARATION OF TEST REPORT

½

TOTAL TIME :

9

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.675.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1989 08 07

TESTING CHARGES FOR IS 6432:1972 HEPTACHLOR, TECHNICAL

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|---------------------------------|---------------------|-----------|
| 1. | Description | 2.1 | ½ |
| 2. | Heptachlor content | 2.2 & i) of Table 1 | 5 |
| 3. | Material insoluble in xylone | " ii) " | 1 |
| 4. | Acidity (as HCl) | " iii) " | 1 |
| 5. | Moisture | " iv) " | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 9 |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.675.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 6438:1980 effective from 15-05-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS 6438:1980 ALUMINIUM PHOSPHIDE FORMULATIONS (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-----------------------------|-------------|-----------|
| 1. | Description | 2.2.1 | ½ |
| 2. | Aluminium phosphide content | 2.3.1 | 4 |
| 3. | Disintegration of tablets | 2.3.2 | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME: | | 6 |

Testing charges per man-hour are Rs. 300.00.
Hence complete testing charges for the product are: **Rs.1800.00**

DDGL may kindly approve.

P. Rajesh

Sc E, LPPD

Head (LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1982 10 35

TESTING CHARGES FOR IS 6438 :1980 ALUMINIUM PHOSPHIDE FORMULATIONS
(FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-----------------------------|-------------|-----------|
| 1. | Description | 2.2.1 | ½ |
| 2. | Aluminium phosphide content | 2.3.1 | 4 |
| 3. | Disintegration of tablets | 2.3.2 | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 6 |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.450.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1982 09 20

TESTING CHARGES FOR IS 6439:1978 HEPTACHLOR EMULSIFIABLE
CONCENTRATES (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---|-------------|-----------|
| 1. | Description | 2.2.1 | ½ |
| 2. | Cold set | 2.2.2 | 1 |
| 3. | Flash point (Abel) | 2.2.3 | 1 |
| 4. | Emulsion stability | 2.2.4 | 1 |
| 5. | Heptachlor content | 2.3.1 | 4 |
| 6. | Acidity/Alkalinity | 2.3.2 | 1 |
| 7. | Heat stability test (including charges for tests sl. No.1 to 5 which are | 2.2.5 | 7½ |

repeated after heat
stability)

PREPARATION OF TEST REPORT

½

TOTAL TIME :

17

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1275.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 6444:1979 effective from 15-05-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS 6444:1979 SULPHUR DUSTING POWDERS (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS | |
|------|----------------------------|----------------|-----------|-------|
| 1. | Tabular Requirements | 2.2, Table 1 | | |
| i) | Sulphur content | i) of Table 1 | 4 | |
| ii) | Sieving | ii)of Table 1 | 1 | |
| iii) | Bulk density | iii)of Table 1 | 1 | |
| | PREPARATION OF TEST REPORT | | 0.5 | |
| | | TIME (Rounded) | 7 | TOTAL |

Testing charges per man-hour are Rs. 300.00.

Hence complete testing charges for the product are: **Rs.2100.00**

DDGL may kindly approve.

P. Rajesh
Sc E, LPPD

Head (LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

2001 12 12

TESTING CHARGES FOR IS 6444:1979 SULPHUR DUSTING POWDERS (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|----------------|-----------|
| 1. | Tabular Requirements | 2.2, Table 1 | |
| i) | Sulphur content | i) of Table 1 | 4 |
| ii) | Sieving | ii)of Table 1 | 1 |
| iii) | Bulk density | iii)of Table 1 | 1 |
| | PREPARATION OF TEST REPORT | | 0.5 |
| | | TIME (Rounded) | 7 |
| | | | TOTAL |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.525.00

DG may please approve.

(V.K. Sethi)
TS(QA)

D&H(QA)
DDGL
ADGT
DG

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1985 07 01

TESTING CHARGES FOR IS 6448:1980 DIAMONIUM PHOSPHATE (18-46-0)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|--|---------------------|-----------|
| 1. | Description & General checking | 2.1 | ½ |
| 2. | Particle size | 2.2 | 1 |
| 3. | Total nitrogen | 2.3 & i) of table 1 | 2½ |
| 4. | Ammoniacal nitrogen | " ii) " | 2½ |
| 5. | Water soluble phosphates (as P ₂ - O ₅) | " iii) " | 3 |
| 6. | Total phosphorus (as P ₂ O ₅) | " iv) " | 2½ |
| 7. | Moisture | " v) " | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 14 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1050.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY
(QAD)

Ref: CL/QA/79

05.02.2013

Subject: Testing Charges for High Alumina Cement as per IS 6452: 1989

| Sl. No. | Characteristic | Clause No./ Table | Man-Hours | Electric Power Required (kwh) | Consumables Required (Approx Cost in Rs.) | Total Charges for Each Test (in Rs.) |
|---------|---|-------------------|-----------|-------------------------------|---|--|
| 1 | Total Alumina Content (Al ₂ O ₃) % | 4.1 | 9.5 hr | 50 | 150 | 1312.50 |
| 2 | Fineness | 4.2 | 04 hr | ----- | 500 | 800 |
| 3 | Soundness | 4.3 | 02 hr | 03 | ----- | 177 |
| 4 | Setting Time | 4.4 | 02 hr | 02 | ----- | 168 |
| 5 | Compressive Strength | 4.5 | 06 hr | 04 | 100 | 586 |
| 6 | Preparation of Report | ----- | 1.5 hr | ----- | ----- | 112.50 |
| Total | | | 25 hr | 59 | 750 | 3156(Rounded to the nearest multiple of 10 ≈ 3160) |

Testing Charges per man-hour are Rs 75.

Hence Testing Charges for the product are = $25 \times 75 + 59 \times 9 + 750 = 3156$ (Rounded to 3160)
= **Rs 3160/- (Rupees Three Thousand One Hundred Sixty)**

Pinaki Gupta
(Sc-C, QA)

Sc- F & Head (CL)
Sc- F & Head (CQAPD)
Sc-G & Chief (Labs)

NOTE: REVISED TESTING CHARGES ARE PLACED BELOW:



BUREAU OF INDIAN STANDARDS

[LPPD]

Our Ref: LPPD/51:1

02.09.2015

Sub: Revision of BIS Testing Charges.

BIS Testing charges for seven products have been reviewed and as decided by the CA, the revised testing charges of the same, are given in Annex-1. The revised BIS testing charges for the ISS listed in Annex-1 shall be effective from 01-09-2015 and applicable for samples sent to BIS T&Cs for testing after 30-08-2015.

The above revised BIS testing charges shall not be applicable for outside BIS recognized labs. The outside approved lab who had adopted BIS testing charges would continue to be paid as per the pre-revised rates. The revision of testing charges of OSLs, if any, shall be reviewed and decided in due course.

All BIS labs/ROs/BOs are advised to note the above for implementation by the said date.

(Dileep Kumar)
Sc. F & Head[LPPD]

Sc. 'G' &DDG(Labs)

Encl. As above.

Circulated to all Heads of Labs/ROs/BOs/DDG(Cert.)/CMDs/DDGF

Copy to : H(ITS)

With a request to get the circular hosted on BIS Intranet.

**Testing Charges for
IS 6452: 1989 High Alumina Cement for Structural Use**

(w.e.f. 31 Aug 2015)

| S.No. | Clause No. | Requirements/ Characteristics | Manhours spent in Testing (in hrs) | Manhour cost of testing (@ ₹ 300 /manhour) | Power consumption (if intensive) (in kWh) | Cost of power (@ ₹ 9 per kWh) | Consumable cost (if significant) | Total cost of test | Remarks |
|-------|------------|---|------------------------------------|--|---|-------------------------------|----------------------------------|--------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 4.1 | Total Alumina content (Al ₂ O ₃) | 3 | ₹ 900.00 | 18 | ₹ 162.00 | ₹ 300.00 | ₹ 1,362.00 | Batch conditioning of 6 samples together. |
| 2 | 4.2 | Fineness | 2 | ₹ 600.00 | 0 | 0 | 0 | ₹ 600.00 | |
| 3 | 4.3 | Soundness by Le Chatelier Method | 1 | ₹ 300.00 | 0 | 0 | 0 | ₹ 300.00 | |
| 4 | 4.4 | Setting time | 1 | ₹ 300.00 | 0 | 0 | 0 | ₹ 300.00 | |
| 5 | 4.5 | Compressive Strength | 2.25 | ₹ 675.00 | 20 | ₹ 180.00 | 0 | ₹ 855.00 | Batch conditioning of 10 samples together. |
| 6 | | Preparation of Test Report | 1 | ₹ 300.00 | 0 | 0 | 0 | ₹ 300.00 | |
| | | TOTAL | 10.25 | ₹ 3,075.00 | 38 | ₹ 342.00 | ₹ 300.00 | ₹ 3,717.00 | |

Hence, testing charges (rounded to nearest Rs. 50.00) for the product are:

₹ 3,700.00

Testing charges (rounded to nearest Rs. 50.00) for only chemical test report:

₹ 1,500.00

Testing charges (rounded to nearest Rs. 50.00) for only physical test report :

₹ 2,200.00

(Sudheer Bishnoi)
Sc D (LPPD)

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 04 12

TESTING CHARGES FOR IS 6453:1984 TECHNICAL SUPPLY CONDITION
FOR ROLLING BEARINGS.

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------|--|
| 1. | Material | | |
| | i) Balls, rollers & bearing races | 3.1 | As per IS 4396:1972 or As per IS 5489:1975 |
| | ii) Balls ,rollers & races with cages | 3.2 | As per IS 4397:1972 |
| 2. | a) Dimensions & tolerances | 4 | |
| | i) Radial rollers bearings | 4.1 & 4.2 | As per IS 5669:1970 & As per IS 5692:1970 |
| | ii) Tapered roller bearings | 4.1 & 4.2 | As per IS 7461:1980 & As per IS 9247:1979 |
| | iii) Ring type needle bearings | 4.1 & 4.2 | As per IS 4215:1983 & As per IS 7460:1970 |
| | iv) Thrust Ball bear- | 4.1 & 4.2 | As per IS 5932:1970 |

ings with flat
seats

& As per IS 5933:1970

| | | |
|--|-----|---|
| b) Radial Internal Clearance for Radial Ball Bearing | 4.3 | AS per IS 5935:1975 (Facility not available at CL) |
| 3. Workmanship | 5 | 1 Temperature test not specified |
| 4. Surface finish | 6 | As per IS 8073:1967 (Facility not available At CL) |

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-------------------------------|-------------|---|
| 5. | Hardness | 7 | 4 |
| 6. | Load Ratings | 8 | As per IS 3823:1981 & As per IS 3824:1983 |
| 7. | *Running noise | 9 | As per motoal agreem- -ent between purchaser & supplier . |
| 8. | *Interchangeability | 10 | -do- |
| 9. | *Protection against corrosion | 11 | -do- |
| 10. | Packing & Marking | 12 & 13 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME :

6

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.450.00. Excluding the
testing charges for the redial internal clearance test as per IS
5935:1975. Raw material tests & other tests as per referred ISS are
to be charged extra.

* These Tests are not to be carried out.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 20 07

TESTING CHARGES FOR IS 6455:1972 SINGLE ROW RADIAL BALL BEARING

S NO TESTS CLAUSE REF. MAN-HOURS

| | | | | |
|----|---|-----|-------------|----|
| 1. | Boundary Dimensions | 5 | | |
| | i) Boundary Dimensions (As per IS 5665:1970) | 5.1 | 3 3 3 | |
| | ii) Tolerances | 5.2 | 3 | 3½ |

(As per IS 5692:1970)

3

iii) Radial clearance* 2
(As per IS5935:1970)

2. General Requirements 6 As per IS 6453-1972

PREPARATION OF TEST REPORT ½

TOTAL TIME : -----
6

Testing charges per man-hour are Rs. 75.00.
Hence testing charges for the product are : Rs.450.00. Plus testing □
charges as per IS 6453:1972 for general requirements.

*Presently, facilities are not available at Central Laboratory.

Note:- The standard has not certification clause.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1983 10 26

TESTING CHARGES FOR IS 6462:1972 FITTING DIMENSIONS FOR
DENTAL BURS & CUTTERS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|----------------------------|-------------|-----------|
| 1. | Fitting dimensions | 3 | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 3 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.225.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

196507 ; 1991

TESTING CHARGES FOR IS 6507:1991 SODIUM CHROMATE TETRAHYDRATE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|---------------------|-----------|
| 1. | Description, Packing and marking | 4.1 & 5 | ½ |
| 2. | Total moisture (free moisture and combined water) | 4.2 & i) of table 1 | 1 |
| 3. | Sodium Chromate (as Na ₂ CrO ₄) | " ii) " | 1½ |
| 4. | Sulphates (as Na ₂ SO ₄) | " iii) " | 2½ |
| 5. | Chlorides (as NaCl) | " iv) " | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 8 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.600.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY
(Q.A. Department)
8 Dec 2006

Our Ref:CL/QA/79

TESTING CHARGES FOR PRECAST REINFORCED CONCRETE DOOR AND WINDOW FRAMES AS PER IS 6523:1983

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- applicable |
|---------|---|-------------|-----------|--------------------------------------|---|
| | | ever | | | |
| A. | TEST PARAMETERS | | | | |
| 1. | Shape & Dimensions | 2 | 2 | | |
| 2. | a) Construction & Finish | 4.1 | 2 | | |
| | b) Positioning of reinforcement | 4.2 | 4 | | |
| 3. | Arrangement for fixing of hinges to frame | 5 | 2 | | |
| 4. | Arrangement for door & window fixtures | 6.1 | 2 | | |
| B. | Electricity power consumed | | | - | |
| C. | Cost of Consumables/CRMs | | | | - |
| D. | PREPARATION OF TEST REPORT | | | 2 | |
| | TOTAL | TIME | 14 | | |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the products is:

Total Rs.75x14= Rs.1050.00

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(K.S. Arya)
STA(QA)

D&H(QA)
DDGL

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1981 09 17

TESTING CHARGES FOR IS 6528:1972 STATNLESS STEEL WIRE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-----------------------------------|-------------|-----------|
| 1. | Freedom from defects | 5 | ½ |
| 2. | Dimensions and tolerances | 8 | 1 |
| 3. | Mechanical Properties | | |
| | a) Tensile test | 9.1 | 2 |
| | b) Reverse bent test | 9.2 | 1 |
| | c) Torsion test (if required) | 9.3 | 1 |
| | d) Wrapping test (if required) | 9.4 | 1 |
| 4. | Chemical composition | 6.1 | |
| | a) Carbon | | 1 |
| | b) Silicon | | 2½ |
| | c) Manganese | | 1½ |
| | d) Nickel | | 2½ |

| | |
|----------------------------|----|
| e) Chromium | 2½ |
| f) Sulphur | 2 |
| g) Phosphorus | 2 |
| PREPARATION OF TEST REPORT | ½ |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the mechanical test are Rs. 525.00
and For Chemical tests are Rs. 1125.00
APPROVED BY THE COMPETENT AUTHORITY

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref : CL/QA/14:0

2001 06 12

TESTING CHARGES FOR IS 6538:1971 3 PIN PLUGS MADE OF RESILIENT MATERIAL

| SL. NO | TESTS | CLAUSE NO. | MAN-HOUR |
|--------|------------------------------------|------------|----------|
| 1. | Visual Examination | 9.1.1.2 | 0.5 |
| 2. | Checking of dimensions | 9.1.1.2 | 4 |
| 3. | Test for interchangeability | 9.1.1.2 | 1 |
| 4. | Test for effectiveness of contacts | 9.1.1.2 | 1.5 |
| 5. | Test for insulation resistance | 9.2 | 2 |
| 6. | High Voltage test | 9.1.1.2 | 2 |
| 7. | Test for moisture resistance | 9.1.1.2 | 2 |
| 8. | Temperature rise test | 9.1.1.2 | 2 |
| 9. | Breaking capacity test | 9.1.1.2 | 2 |
| 10. | Mechanical strength test | 9.1.1.2 | 2 |
| 11. | Ageing test | 9.3 | 2 |
| 12. | Plug pin deflection test | 9.4 | 1.5 |
| 13. | Water absorption test | 9.1.1.2 | 1.5 |
| 14. | Test for screw and connections | 9.1.1.2 | 0.5 |
| 15. | Cord grip test | 9.1.1.2 | 2 |
| 16. | Test for resistance to heat | 9.1.1.2 | 2 |
| 17. | Test for resistance to rust | 9.1.1.2 | 0.5 |
| 18. | Test on flexible cord | 5.9 | 2 |
| | PREPARATION OF TEST REPORT | | 2 |
| | TOTAL TIME | | 33 |

Testing charges per man-hour is Rs.75.00. Hence complete testing charges for the products are Rs.2475.00.

DG may kindly approve.

(V.K. Sethi)
TS (QA)

DCL(QA)
DDGL
ADGT/DG

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1993 10 11

TESTING CHARGES FOR IS 6583:1989 POWER TRANSMISSION BELTS-TRAIN
LIGHTING BELTING

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-------------------------|-------------|----------------------------------|
| 1. | Construction | 3 | ½ |
| 2. | Fabric | 4.1 | ½ |
| | | 4.2 | As per IS 5996:84 |
| 3. | Dimensions | 5 | |
| | i) Width | 5.1 | 1 |
| | ii) Thickness & Length | 5.2 & 5.3 | 1 |
| 4. | TESTS : | 7 | |
| | i) Dynamic fatigue test | 7.3 | 4 |
| | | | Facility not available at CL. |

| | | |
|---|--------|---|
| ii) Full thickness breaking strength test & warp elongation test | 7.4 | 4 |
| iii) Warp Adhesion test | 7.5 | 1 |
| iv) Individual ply breaking strength test | 7.6 | 4 |
| 5. Marking & Packing | 9 & 10 | ½ |
| PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME : -----
17

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.1275.00
Testing charges for the fabric as per IS 5996:1984 have to be levied
extra if supplied seperately & tested.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1984 033 23

TESTING CHARGES FOR IS 6590:1972 BRAIDED NYLON ROPE FOR
MOUNTAINEERING PURPOSES

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|--|---------------|-----------|
| 1. | Yarn Identification | 3.1 | 3 |
| 2. | Checking for construction details | 3.2 | ½ |
| 3. | Size of rope | 4.1 & table 1 | 1½ |
| 4. | Count of yarn | --do-- | 1 |
| 5. | No. of ends in the sheath in the core and per spindles | --do-- | 1 |
| 6. | Linear Density of rope | --do-- | 1 |
| 7. | Breaking load and elongation | --do-- | 2 |
| 8. | Angle of sag | --do-- | 1 |
| 9. | Slackness of sheath | 4.2 | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 13 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.975.00

APPROVED BY THE COMPETENT AUTHORITY

The revised BIS testing charges for IS 6593:1972 effective from 15-04-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR IS 6593:1972 ELECTRIC SEROLOGICAL WATER BATHS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------|-----------|
| 1. | Checking marking, instruction for use and construction | 6 & 9 | ½ |
| 2. | *Protection against electric shock | 7.1 | ½ |
| 3. | Input | 7.2 | ½ |
| 4. | Electrical insulation (i) leakage (ii) H.V Test | 7.3 | 1½ |
| 5. | Stability | 7.4 | ½ |
| 6. | Mechanical strength | 7.5 | ½ |
| 7. | Supply connections | 7.6 | ½ |
| 8. | *Terminals | 7.7 | ½ |
| 9. | Earthing | 7.8 | ½ |
| 10. | *Screws and connections | 7.9 | ½ |
| 11. | Resistance to rusting | 7.10 | 1 |
| 12. | Heating up time | 8.1 | ½ |

| | | |
|------------------------------|--------------|----------------------|
| 13. Overflow test | 10.2 | 2 |
| 14. Temperature variation | 8.2 | 8 |
| 15. Temperature differential | 8.3 | 11 |
| 16. Temperature drift | 8.4 | 7 |
| PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | ----- 36 ----- |

Testing charges per man-hour are Rs. 300.00.

Hence complete testing charges for the product are : **Rs.10800.00**

* These tests may not be applicable for certain design of water baths

DDGL may kindly approve.

Anurita Jojo
Sc C,LPPD

Head (LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1987 12 22

TESTING CHARGES FOR IS 6593:1972 ELECTRIC SEROLOGICAL WATER BATHS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------|-----------|
| 1. | Checking marking, instruction for use and construction | 6 & 9 | ½ |
| 2. | *Protection against electric shock | 7.1 | ½ |
| 3. | Input | 7.2 | ½ |
| 4. | Electrical insulation (i) leakage (ii) H.V Test | 7.3 | 1½ |
| 5. | Stability | 7.4 | ½ |
| 6. | Mechanical strength | 7.5 | ½ |
| 7. | Supply connections | 7.6 | ½ |
| 8. | *Terminals | 7.7 | ½ |
| 9. | Earthing | 7.8 | ½ |
| 10. | *Screws and connections | 7.9 | ½ |
| 11. | Resistance to rusting | 7.10 | 1 |
| 12. | Heating up time | 8.1 | ½ |

| | | | |
|-----|--------------------------|------|----|
| 13. | Overflow test | 10.2 | 2 |
| 14. | Temperature variation | 8.2 | 8 |
| 15. | Temperature differential | 8.3 | 11 |
| 16. | Temperature drift | 8.4 | 7 |

PREPARATION OF TEST REPORT

$\frac{1}{2}$

TOTAL TIME :

36

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.2700.00

* These tests may not be applicable for certain design of water baths

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 01 12

TESTING CHARGES FOR IS 6594:1977 TECHNICAL SUPPLY CONDITIONS FOR
STEEL WIRE ROPES AND STRANDS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---------------------------|----------------------------|-------------------------------|
| 1. | Material | | |
| | a) Wire | 3.1 | As per IS 1835:76 |
| | b) Core wire | 3.1.2 & 3.1.3 ³ | ³ $\frac{1}{2}$ |
| 2. | Size | 4 | ³ |
| 3. | General Requirements | | |
| | a) Fiber core | 5.1.1 | As per IS1804:76 |
| | OR | | |
| | Steel core | 5.1.2 | $\frac{1}{2}$ |
| | b) Mass | 5.3 | $\frac{1}{2}$ |
| | c) Minimum breaking load | 5.4 | 5 |
| | d) Lay | 5.5 | 1 |
| | e) Joints (visual only) | 5.6 | 1 |
| 4. | Freedom from defects | 6 | $\frac{1}{2}$ |
| 5. | Performing | 7 | 1 |
| 6. | Lubrication (visual only) | 8 | $\frac{1}{2}$ |

| | | | |
|----|--|-----|----------------------------|
| 7. | Test on wires (prior to rope manufacturer) | 9.1 | As per IS 1835:76 |
| 8. | Test on completed ropes | 9.2 | (covered under 3(c) above) |

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------|-------------------|
| 9. | Test on individual wires from complete ropes (if applicable) | | |
| | a) Tensile test | 9.3.2 | 5 |
| | b) Torsion test | 9.3.3 | 2 |
| | c) Reverse band test | 9.3.4 | 1 |
| | d) Galvanizing test | 9.3.5 | As per IS 1835:76 |
| | e) Diameter of wire | 9.3.6 | ½ |
| 10. | Marking | 12 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME : 20

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1500.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 6595(P-1):2002 effective from 15-05-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

10.03.2016

TESTING CHARGES FOR HORIZONTAL CENTRIFUGAL PUMP AS PER IS 6595(Pt-1):2002

| Sl.No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh material | Cost of consumables including reference ever |
|----------------------|-----------------------------------|-----------------|-------------|--|--|
| where- applicable | | | | | |
| A. | TEST PARAMETERS | | | | |
| 1. | Design features | 8 | 1 | 5 kwh | |
| 2. | General requirements | | | | |
| | a) Casing (HST) | 9.1 | 2 | - | |
| | b) Impeller (static balancing) | 9.2 | 2 | - | |
| 3. | Pump tests | 10 | | 2kwh | |
| | a) Verification of guarantee | 7 of IS 11346 | 3 | 5kwh | |
| | b) Efficiency | 7.2 of Is 11346 | 3 | 10kwh | |
| 4. | Pump input power | 11.2.3 | 3 | 10kwh | |
| B. | Electricity power consumed | | | 32kwh | - |
| C. | Cost of Consumables/CRMs | | | | - |
| D. | PREPARATION OF TEST REPORT | | 3 | | |
| | TOTAL | TIME | 17 h | | |

Testing charges per man-hour are Rs.300.00. Hence testing charges for the products is:

$$\text{Total Rs. } 300 \times 17 + 32 \times 9 = \text{Rs. } 5388.00$$

DDGL may kindly approve.

AnuritaJojo
Sc C,LPPD

Head (LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

25 June 2007

Our Ref:CL/QA/79

TESTING CHARGES FOR HORIZONTAL CENTRIFUGAL PUMP AS PER IS 6595(Pt-1):2002

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- applicable |
|---------|-------------------------------|-----------------|-----------|--------------------------------------|--|
| A. | TEST PARAMETERS | | | | |
| 1. | Design features | 8 | 1 | 5 kwh | |
| 2. | General requirements | | | | |
| | a) Casing (HST) | 9.1 | 2 | - | |
| | b)Impeller (static balancing) | 9.2 | 2 | - | |
| 3. | Pump tests | 10 | | 2kwh | |
| | a) Verification of guarantee | 7 of IS 11346 | 3 | 5kwh | |
| | b) Efficiency | 7.2 of Is 11346 | 3 | 10kwh | |
| 4. | Pump input power | 11.2.3 | 3 | 10kwh | |
| B. | Electricity power consumed | | | 32kwh | - |
| C. | Cost of Consumables/CRMs | | | | - |
| D. | PREPARATION OF TEST REPORT | | | 3 | |
| | TOTAL | TIME | 17 h | | |

Testing charges per man-hour are Rs.75.00. Hence testing charges for the products is:

$$\text{Total Rs. } 75 \times 17 + 32 \times 4 = \text{Rs. } 1403.00$$

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(K.S. Arya)
STA(QA)

Head (CL)

DDGL

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref:CL/QA/14:0

2003-11-25

TESTING CHARGES FOR IS:6603:2001 STAINLESS STEEL BARS AND FLATS

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|--|------------|-----------|
| 1. | Chemical composition | 7, table 1 | 22 * |
| 2. | Tensile properties | 9.1 & 9.2 | 8 |
| 3. | Bend test | 9.3 | 1 |
| 4. | Hardness | 9.4 | 2 |
| 5. | Impact test | 9.5 | 6 |
| 6. | Dimensions | 12 | 1 |
| | PREPARATION OF TEST REPORT | | 2 |
| | | | ----- |
| | TOTAL TIME: i) for physical test(excluding chemical composition) | | 20h |
| | ii) for all tests (including chemical composition) | | 42h |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are:

- i) Rs.1500.00 excluding chemical composition
- ii) Rs.3150.00 including chemical composition

* Testing time estimate for chemical composition is taken from data available with QA Department.

The proposal is prepared on the basis of information received from testing labs.

DDGL may kindly approve.

(Veer Singh)
TS(QA)

D&H(QA)
DDGL

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref:CL/QA/14:0

2003-07-30

TESTING CHARGES FOR IS: 6608:1978 SKIN CREAMS

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|--------------------|---------------------|-----------|
| 1. | Description | 3.1 | 0.5 |
| 2. | Thermal stability | S.No.(I), Table 1 | 2 |
| 3. | pH | S.No.(II), Table 1 | 2 |
| 4. | Total fatty matter | S.No.(III), Table 1 | 3 |

| | | | |
|----|-----------------------------|---------------------|---|
| 5. | Water content | S.No.(IV)g, Table 1 | 2 |
| 6. | Microbiological examination | 6.1 | 8 |

| | | |
|-------------------------------|----------------------|-------|
| PREPARATION OF TEST REPORT | | 1 |
| | | ----- |
| | TOTAL TIME (Rounded) | 19 |
| Total Electricity consumption | 20 kwh | |

Testing charges per man-hour are Rs.75.00. In addition to man hour, electricity power consumption is estimated separately @ Rs.4.00 per kwh. Hence complete testing charges for the product are :

(19x75) + (20x4) Rs.1505.00 except ingredients test.

DDGL may kindly approve.

(Veer Singh
STA(QA))

D&H (QA)
DDGL

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1983 11 10

TESTING CHARGES FOR IS 6612:1989 UNTEASED WHITE COTTON

WASTE (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---|----------------|-----------|
| 1. | Manufacture | 2 | ½ |
| 2. | Moisture | 1) of table 1 | 2½ |
| 3. | Dirt & Grit | ii) of table 1 | 1 |
| 4. | Foreign matter including dirt & girt | iii) " | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 5 |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.375.00

APPROVED BY THE COMPETENT AUTHORITY.

भारतीय मानक ब्यूरो / Bureau Of Indian Standards
बैंगलोर शाखा प्रयोगशाला / Bangalore Branch Laboratory

सन्दर्भ :
बीएनबीएल/केमिकल/2023/VK/SEP/22

दिनांक: 22-Sep-
2023

Testing charges for ALUMINIUM CHLORIDE,
ANHYDROUS-TECHNICAL as per IS 6614 : 2021

| S. No. | IS / Clause No. | Requirement / Characteristic | Man hours spent in testing | Man hour cost of testing | Power consumption (if intensive) (kWh) Remark 1 | Cost of power Remark 1 | Consumables cost (if significant) Rs. | Total cost of test | Testing time for the purpose of time norms | Sample preparation/ conditioning/ curing time etc for the purpose of time norms | Total time for the purpose of time norms | Remarks |
|--------|--------------------------|---------------------------------------|----------------------------|--------------------------|--|-------------------------------|---------------------------------------|--------------------|--|---|--|---------|
| 1 | 2 | 3 | 4 | 5=4xRs 300 | 6 | 7=6xRs 9 | 8 | 9=5+7+8 | 10 | 11 | 12=10+11 | 13 |
| 1 | CI 3.2, Table 1, Annex-A | Insoluble Matter | 2 | 600 | 2 | 18 | 50 | 668 | 3.5 | | 3.5 | |
| 2 | CI 3.2, Table 1, Annex-B | Assay as AlCl ₃ | 3 | 900 | 0 | 0 | 100 | 1000 | 3.5 | | 3.5 | |
| 3 | CI 3.2, Table 1, Annex-C | Total Aluminium as Al | 2.5 | 750 | 0 | 0 | 250 | 1000 | 2.5 | | 2.5 | |
| 4 | CI 3.2, Table 1, Annex-D | Free Aluminium as Al | 1 | 300 | 0 | 0 | 70 | 370 | 1.5 | | 1.5 | |
| 5 | CI 3.2, Table 1, Annex-E | Iron as Fe | 2 | 600 | 0 | 0 | 100 | 700 | 2.5 | | 2.5 | |
| 6 | CI 3.2, Table 1, Annex-F | Solubility | 0.5 | 150 | 0 | 0 | 100 | 250 | 0.5 | | 0.5 | |
| 7 | Other | Man hours for test report preparation | 1 | 300 | 0 | 0 | 0 | 300 | 0.0 | | 1 | |
| | | Total | 12 | 3600 | 2 | 18 | 670 | 4288 | | | 15 | |

| | | |
|--|-----|------|
| Cost of total manhours | Rs. | 3300 |
| Total electricity consumption: | Rs. | 18 |
| Total cost of consumables: | Rs. | 670 |
| Charges for preparation of test report | Rs. | 300 |
| Testing charges for the product: | Rs. | 4288 |
| Total time for the purpose of time norms | | 15 |

Remarks:

अधिकारी प्रभारी (रसायन)

वैज्ञानिक- ई / निदेशक एवं
प्रमुख
बीएनबीएल

विकास कुमार
तकनीकी सहायक (प्रयोगशाला)

The revised BIS testing charges for IS 6639:1972 effective from 24-03-2017

**BIS CENTRAL LABORATORY, SAHIBABAD
[CHEMICAL DEPARTMENT]**

TESTING CHARGES FOR IS 6639: 1972, Amnd-5
Hexagon bolts for steel structures

| SI.No. | Characteristics | Clause no. | Man-Hours | Electricity Power | Cost of Consumable including reference |
|--------|-----------------|-------------------|-----------|-------------------|--|
| | Consumed | material wherever | | kwh | applicable |

| | | | | | |
|----|----------------------|------|---------------------|--|--|
| 1. | General Requirements | Cl 6 | As per relevant ISS | | |
|----|----------------------|------|---------------------|--|--|

Remarks: Testing charges for the material shall be levied as per relevant ISS referred.

CA may kindly approve.

**Praveen Kumar
T. A.**

Sc -B (Chem)
OIC (Chem)
OIC (QA)

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

09 Dec 2016

TESTING CHARGES FOR IS 6639:1972 (Amnd-5) HEXAGON BOLTS FOR
STEEL STRUCTURES

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---------------------|-------------|-----------|
| 1. | Dimensions of Bolt | 2 | 1½ |
| 2. | Mechanical property | 3 | |

(as per property class 4.6 of IS 1367 (Pt. 3))

| | | | |
|--|-------------------------------|---|------------------------------------|
| i) Tensile strength (consisting of tensile yield stress & elongation) | 5.1 & 5.2 of IS 1367 (P-3) | | 2 |
| ii) Brinell Hardness | 5.4 | " | 1 |
| iii) Stress under proof load | 5.9 | " | Facility not avail- able at CL. |
| iv) Strength under wedge loading | 5.11 | " | do |
| v) Head Soundness test | | | 1½ |
| vi) Shear stress | | | 1½ |
| 3. Conformity of threads | IS 4218 (P-5&6) | | ½ |
| 4. Dimensions of nut | IS 1363 (P-3) | | 1 |
| 5. Thread conformity | IS 4218 | | ½ |
| 6. Mechanical properties | IS 1367 (P-6) | | Facility not avail- able at CL |
| i) Proof stress | | | |
| ii) Hardness | | | 1 |
| iii) Proof load test | | | Facility not avail- able at CL. |
| 7. Surface discontinuities | IS 1367 (Pt-10) | | 1 |
| 8. Functional test | | | |
| i) Cone proof lead test | | | Facility not avail- able at CL. |

ii) Winding test

do

PREPARATION OF TEST REPORT

½

TOTAL TIME :

12

Testing charges per man-hour are Rs. 300.00.

Hence complete testing charges for the product are : Rs.3600.00 for which testing facilities are available at CL.

(Mehtab Singh)
LO-A

OIC (Mech)

OIC (QA)

Head (CL)

As decided by CA, testing charges are Rs.3600/- Excluding Stress under proof load, Strength under wedge loading, proof stress, proof load test ,cone proof load test and winding test.

(Kshitij Bathla)
Sc.B, LPPD

**Head, LPPD
DDGL**

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1985 11 07

TESTING CHARGES FOR IS 6639:1972 HEXAGON BOLTS FOR
STEEL STRUCTURES

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-----------------------------------|------------------------------------|
| 1. | Dimensions of Bolt | 2 | 1½ |
| 2. | Mechanical property (as per property class 4.6 of IS 1367 (Pt. 3) :1979 | 3 | |
| | i) Tensile strength (consisting of tensile yield stress & elongation) | 4.1 & 4.2 of IS 1367 (P3):1979 | 2 |
| | ii) Brinell Hardness | 4.4 " | 1 |
| | iii) Stress under proof load | 4.9 " | Facility not avail- able at CL. |
| | iv) Strength under wedge loading | 4.11 " | do |
| | v) Head Soundness test | | 1½ |
| | vi) Shear stress | | 1½ |
| 3. | Conformity of threads | IS 4218 (P-5&6) | ½ |
| 4. | Dimensions of nut | IS 1363 (P-3):84 | 1 |
| 5. | Thread conformity | IS 4218 | ½ |
| 6. | Mechanical properties | IS 1367 (P 6) | Facility not avail- able at CL |
| | i) Proof stress | | |
| | ii) Hardness | | 1 |

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|-----------------|-------------------------------|
| | iii) Proof lead test | | Facility not available at CL. |
| 7. | Surface discontinuities | IS 1367 (Pt-10) | 1 |
| 8. | Functional test | 4.3 | |
| | i) Cone proof lead test | | Facility not available at CL. |
| | ii) Winding test | | do |
| | PREPARATION OF TEST REPORT | | ½ |
| | | TOTAL TIME : | 12 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.900.00
for which testing facilities are available at CL.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 07 02

TESTING CHARGES FOR IS 6646:1972 OIL OF TURPENTINE SOLVENT GRADE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS | |
|------|--------------------------|-------------|------------------------------|---------|
| | | | Grade 1 | Grade 2 |
| 1. | Sources | 4.1 | Method of test not specified | |
| 2. | Requirements | 4.2 Table 1 | | |
| | i) Colour | do | - | ½ |
| | ii) Appearance and Odour | do | ½ | ½ |
| | iii) Gress spot test | do | ½ | ½ |
| | iv) Flash point Min | do | 1 | 1 |
| | v) Ash | do | 1 | 1 |

| | | | | |
|-------|---|-----|---|---|
| vi) | Residue one evaporation percent by mass max. | do | 1 | 1 |
| vii) | Refractive index at 27°C | do | ½ | ½ |
| viii) | Relative density 27/27°C | do | 1 | 1 |
| ix) | Unpolymerizable matter percent by mass Max. | do | 1 | 1 |
| x) | Distillation Range for 95 ml initial boiling point. | do | 1 | 1 |
| xi) | Acid value, Max | do | ½ | ½ |
| 3. | Solubility in Alcohol | 4.3 | ½ | ½ |
| 4. | Solubility in | 4.4 | | |
| | i) Chloroform | 3 | | |
| | ii) Solvent ether | 3 | ½ | ½ |
| | iii) Glacial Acetic acid | 3 | | |

PREPARATION OF TEST REPORT

½ ½

TOTAL TIME :

10 10

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are as follows

Grade 1 Rs. 750.00

Grade 2 Rs. 750.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1986 01 21

TESTING CHARGES FOR IS 6661:1972 POTASSIUM SCHOENITE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---|---------------------|-----------|
| 1. | Description | 2.1 | ½ |
| 2. | Moisture | 2.2 | 1 |
| 3. | Potash content (asK ₂ O), | 2.3 & i) of table 1 | 4 |
| 4. | Magnesium oxide (as MgO) (dry basis) | ii) " | 1½ |
| 5. | Total chlorides (Cl), dry basis | iii) " | 1½ |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 9 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.675.00

APPROVED BY THE COMPETENT AUTHORITY.

The BIS testing charges for IS 6701:1985 effective from 12-02-2018

Testing Charges for IS 6701: 1998 – Specification for Tungsten Filament Miscellaneous Electric Lamps

Part-I

Part-II

| Sl. No | Clause No. | Requirements | Man-hours spent in testing (Hrs.) | Man-hours cost of testing (@Rs. 300/ Man-hour) | Power consumption (KWh) | Cost of power (@ Rs. 9 /KWh) | Consumable cost/ SRM | Total cost |
|--------|--------------------|-----------------------------|-----------------------------------|--|-------------------------|------------------------------|----------------------|-------------|
| 1 | Cl.5.1 | Marking | 2 | 600 | 25 | 225 | 1000 | |
| 2 | Cl.3.1 | Glass shell | 1 | 300 | | | | |
| 3 | Cl.3.2 | Lamp dimensions | 2 | 600 | | | | |
| 4 | Cl.3.3.1 | Cap dimensions | 3 | 900 | | | | |
| 5 | Cl.3.3.2 & Appex-A | Torsion test (Unused lamps) | 2 | 600 | | | | |
| 6 | Cl. 3.3.3 | Insulation resistance | 1 | 300 | | | | |
| 7 | Cl. 3.4 | Solder | 1 | 300 | | | | |
| 8 | Cl. 6.2.1 | Initial Readings | 6 | 1800 | | | | |
| 9 | | Preparation of test report | 3 | 900 | | | | |
| Total | | | 21 | 6300 | | 225 | 1000 | Rs.7,525 /- |

| Sl. No | Clause No. | Requirements | Man-hours spent in testing (Hrs.) | Man-hours cost of testing (@Rs. 300/ Man-hour) | Power consumption (KWh) | Cost of power (@ Rs. 9 /KWh) | Consumable cost/SRM | Total cost |
|--------|--------------------|---------------------------------|-----------------------------------|--|-------------------------|------------------------------|---------------------|------------|
| 1 | Cl. 3.3.2 & Appex- | Torsion test (After Life test) | 2 | 600 | | | | |

| | | | | | | | | |
|-------|---------------------------------|-------------------------------|----|-------|-----|------|-----|-------------|
| | A | | | | 150 | 1350 | NIL | |
| 2 | Cl. 6.2.2 & Appx- F | Life Test | 38 | 11400 | | | | |
| 4 | | Preparation of test report | 3 | 900 | | | | |
| Total | | | 43 | 12900 | | 1350 | | Rs.14,250/- |

Total testing charges (Part-I + Part-II) = (Rs. 7,525/- + Rs. 14,250/-) = Rs. 21,775/-

OIC(E)

HBNBOL

As decided by Competent Authority, the testing charges for the product are Rs 21780.00

(Ankita Tripathi)
Sc.B, LPPD

HLPPD

DDG (Labs)

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1994 04 06

TESTING CHARGES FOR IS 6708:1977 CENTRE DRILLS, TYPE A

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|--|----------------------------------|-----------|
| 1. | Dimensions | 2 | 2 |
| 2. | Hardness | 4 | ½ |
| 3. | General Requirements and Marking | 5 ³ 8 ³ | ½ |
| 4. | Preservatives coating and packing | 9 | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 5 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.375.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1994 04 06

TESTING CHARGES FOR IS 6709:1977 CENTRE DRILLS, TYPE B

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|--|----------------------------------|-----------|
| 1. | Dimensions | 2 | 2 |
| 2. | Hardness | 4 | ½ |
| 3. | General Requirements and Marking | 5 ³ 8 ³ | ½ |
| 4. | Preservatives coating and packing | 9 | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 5 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.375.00

APPROVED BY THE COMPETENT AUTHORITY

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1987 02 04

TESTING CHARGES FOR IS 6740:1985 GUDGEON PINS FOR INTERNAL
COMBUSTION ENGINES.

S NO TESTS CLAUSE REF. MAN-HOURS

1. Material (if to be tested 2
 separately)

 i) Nitriding steel of
 case hardening quality

As per IS 1570:1961

OR

ii) Unalloyed steel of case hardening quality

As per IS 1570 (Part 2) : 1979

iii) Case hardening steel

As per IS4432:1967

| | | | |
|-----|---|-----------|----|
| 2. | Dimensions and tolerances | 3 & 4 | ½ |
| 3. | Hardness (surface & core) | 5 | 2 |
| 4. | Ovality and taper | 6.1 & 6.2 | ½ |
| 5. | Permissible deviation due to the combined effect of ovality and □ taper | 6.3 | ½ |
| 6. | *Variation in outside diameter (concentricity tolerance) | 6.4 | 1½ |
| 7. | Case depth | 6.5 | 1 |
| 8. | *Surface roughness | 6.6 | - |
| 9. | Squareness and parallelism of ends | 6.7 | 1 |
| 10. | Breaking of edges | 6.8 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME :

8

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.600.00. Excluding material test & surface roughness test for which facility is not available at CL. If separate sample for material are to be tested as per referred ISS, additional testing charges shall be levied accordingly.

* Facilities are presently not available at CL.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1981 08 21

TESTING CHARGES FOR IS 6747:1981 CHEWING GUM & BUBBLE GUM

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|----------------------------|-----------------|-----------|
| 1. | Requirements | As per Cl 5.1 | ½ |
| 2. | Gum base content | As per Cl 5.1.1 | 2½ |
| 3. | Moisture | i) of table 1 | 1 |
| 4. | Ash sulphated | ii) | 1½ |
| 5. | Acid insoluble ash | iii) " | 1½ |
| 6. | Reducing sugars | iv) " | 2 |
| 7. | Sources | v) " | 3 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 13 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.975.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 6760:1972 effective from 15-04-2016

LABORATORY POLICY AND PLANNING DEPTT

OUR REF : LPPD/51:1

11.03.2016

TESTING CHARGES FOR IS 6760:1972 (INCORPORATING AMNED. NO. 1 & 2 SLOTTED COUNTEREUN K HEAD WOOD SCREWS.

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-------------------------|-------------|---------------------|
| 1. | Materials | 2 | As per relevant ISS |
| 2. | Dimensions & tolerances | 3 | 1 |
| 3. | General Requirements | 5 | |

| | | | |
|----------------------------|---|-------|---|
| | 3 | | |
| 4. Finish | | 1 | |
| | | 6 | |
| 5. Packing | | 7 | |
| | | | ½ |
| 6. Marking | | 9 | |
| | | | ½ |
| PREPARATION OF TEST REPORT | | | ½ |
| TOTAL TIME : | | ----- | 3 |

Testing charges per man-hour are Rs. 300.00.

Hence complete testing charges for the product are : **Rs.900.00**
Excluding test on raw material.

DDGL may kindly approve the above testing charges.

Anurita Jojo
Sc-C, LPPD

H(LPPD)
DDG(labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1992 01 17

TESTING CHARGES FOR IS 6760:1972 (INCORPORATING AMNED. NO. 1 & 2
SLOTTED COUNTEREUN K HEAD WOOD SCREWS.

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|----------------|---------------------|
| 1. | Materials | 2 | As per relevant ISS |
| 2. | Dimensions & tolerances | 3 | 1 |
| 3. | General Requirements | 5 ³ | 1 |
| 4. | Finish | 6 ³ | |
| 5. | Packing | 7 ³ | $\frac{1}{2}$ |
| 6. | Marking | 9 ³ | |
| | PREPARATION OF TEST REPORT | | $\frac{1}{2}$ |
| | TOTAL TIME : | | 3 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.225.00
Excluding test on raw material.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1982 09 16

TESTING CHARGES FOR IS 6789:1972 BOLTED FLAME PROOF COUPLING &
ADAPTERS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|--------------------|-----------|
| 1. | Marking | 8 | ½ |
| 2. | Dimensions of cable coupling unit for contact pins | 4.6 & table 4 | 1½ |
| 3. | Dimensions cable coupling components | 5.1 & table 6 | 10 |
| 4. | Bend adapter | " | 5 |
| 5. | Ceiling rings | 4.10 & 5.1 table 9 | 3 |
| | PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME :

21

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1575.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref:CL/QA/79

01 Sept 2004

TESTING CHARGES FOR IS: 6793:1996 FUMARIC ACID (FOOD GRADE)

| Sl. No. | Characteristics | Clause no. | Man-Hours | Electricity power consumed kwh | Cost of consumable Rs. |
|---------|----------------------|--------------|-----------|-----------------------------------|---------------------------|
| 1. | Identification | Table 1, 4.1 | 1 | | |
| 2. | Purity | Table 1, 4.1 | 1 | | |
| 3. | Moisture | Table 1, 4.1 | 1 | | |
| 4. | Sulphated ash | Table 1, 4.1 | 1.5 | | |
| 5. | Arsenic (as As) | Table 1, 4.1 | 2 | | |
| 6. | Heavy metals (as pb) | Table 1, 4.1 | 2 | | |
| 7. | Description | 4.3 | 0.5 | | |

| | |
|----------------------------|-------|
| PREPARATION OF TEST REPORT | 0.5 |
| | ----- |
| TOTAL TIME (Rounded off) | 10 |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.750.00

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(B.M. Gupta)
TS(QA)

D&H(QA)
DDGL

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1986 04 21

TESTING CHARGES FOR IS 6797:1972 METHYL ESTER OF BETA-APO-8'-
CAROTENOIC ACID

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-----------------------------------|-------------|-----------|
| 1. | Physical description & packing | 2.1 & 3.1 | ½ |

| | | | |
|----|----------------------------------|---------------------|----|
| 2. | Solubility | 2.2 | ½ |
| 3. | Identification tests | | |
| | a) Melting range | 2.3.1 | 1 |
| | b) Absorbance ratio | 2.3.2 | 1 |
| | c) Colour changes in solution | 2.3.3 & 2.3.4 | 1 |
| 4. | Purity | 2.4 & i) of table 1 | 2 |
| 5. | Sulphated ash | " ii) " | 1½ |
| 6. | Arsenic (as As) | " iii) " | 2 |
| 7. | Lead (as Pb) | 2.4 iv) " | 2 |
| | PREPARATION OF TEST REPORT | | ½ |

TOTAL TIME : 12

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs900.00

APPROVED BY THE COMPETENT AUTHORITY.
BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 06 12

TESTING CHARGES FOR IS 6799:1987 PADLOCKS, BICYCLE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------|------------------|--|
| 1. | Dimensions | 2 table 1 | 1 |
| 2. | Requirements | 4.1 ³ | |
| | | 4.2 ³ | ½ |
| | | 4.4 ³ | |
| | | 4.3 | 1½ |
| 3. | Tests | 5.1 | ½ |
| | | 5.2 | 2 |
| | | 5.3 | 2½ |
| | | | Testing facilities not available at CL. |
| | PREPARATION OF TEST REPORT | | ½ |
| | | TOTAL TIME : | 9 |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.675.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 6803:1972 effective from 16-05-2018

BUREAU OF INDIAN STANDARDS

CENTRAL LABORATORY

(Quality Assurance Department)

Ref: CL/QA/Testing Charges/6803

13-03-2018

Based on the inputs received from testing section, the testing charges as per **IS 6803:1972 (Amnd-nil)**

SPECIFICATION FOR SPECIAL PROOF CANVAS AND DUCK is as below:

| S. No. | Requirement/Characteristics | IS/Clause | Man-hours | Power (kWh) | Consumables | Remarks |
|---------------|--|------------------|------------------|--------------------|--------------------|----------------|
| 28. | Base fabric | Cl. 3.1 | * | - | - | - |
| 29. | Special proofing content | Cl. 3.2.1 | 6 | 31 | 200 | - |
| 30. | Resistance to Microbial attack (Cu and Zn content) | Cl. 3.2.2 | 6 | 2 | 300 | - |
| 31. | pH value | Cl. 3.2.3 | 4 | - | - | - |
| 32. | Pliability | Cl. 3.2.4 | 1 | - | - | - |
| 33. | Breaking strength | Cl. 3.2.5 | 2 | - | - | - |
| 34. | Water proofness | Cl. 3.2.6 | - | - | - | - |
| | e. Pressure head test | Cl. 3.2.6.1 | ** | - | - | - |
| | f. Bundesmann water repellency test | Cl. 3.2.6.2 | 1 | - | - | - |
| | g. Cone test | Cl. 3.2.6.3 | 1 | - | - | - |
| 35. | Colour fastness to daylight | Cl. 3.2.7.1 | 8 | - | - | - |
| 36. | Colour fastness to washing | Cl. 3.2.7.2 | 3 | - | - | - |
| 37. | Shrinkage | Cl. 3.2.8 | 1 | - | - | - |
| 38. | Dimension | Cl. 3.2.9 | 1 | - | - | - |
| | Report Preparation | | 1 | - | - | - |
| | Total | | 35.0 | 33 | 500 | - |

*Testing charges as per referred ISS.

**Test facility not available at CL.

Testing charges = 35.0 x 300 + 33 x 9 + 500.00 = Rs. 11297.00 + testing charges as per referred ISS (excluding Pressure head test)

Head (CL)

DDGL

As decided by Competent Authority, the testing charges for the product are Rs. 11297/- + testing charges as per referred ISS (excluding Pressure head test).

(Ankita Tripathi)
Sc.B, LPPD

HLPPD
DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD

[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1983 08 19

TESTING CHARGES FOR IS 6803:1972 SPECIAL PROOFED CANVAS AND DUCK

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------|---------------------|
| 1. | Basic fabric | 3.1 | |
| | a) Cotton duck | | As per IS 1422:1970 |
| | b) Cotton canvas | | As per IS 1424:1970 |
| 2. | Proofing mixture content | 3.2.1 | 6 |
| 3. | Resistance to microbial attack (Determination of copper and zinc content) | 3.2.2 | 6 |
| 4. | pH value | 3.2.3 | 4 |
| 5. | Pliability | 3.2.4 | 3 |
| 6. | Breaking strength | 3.2.5 | 6 |
| 7. | Water proofness | 3.2.6 | |
| | a) Pressure head test for special proofed canvas | 3.2.6.1 | 2 |
| | b) Bundesmann water repellency test for special proofed duck | 3.2.6.1 | 2 |

| | | | |
|----|--------------------|---------|---|
| 8. | Cen test | 3.2.6.3 | 2 |
| 9. | Colour fastness to | 3.2.7 | |
| | a) Daylight | | 8 |
| | b) Washing | | 3 |

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|----------------------------|-------------|---------------|
| 10. | Shrinkage | 3.2.8 | 4 |
| 11. | Dimension | 3.2.9 | 2 |
| 12. | Packing & Marking | 5.1 & 5.2 | 1 |
| | PREPARATION OF TEST REPORT | | $\frac{1}{2}$ |
| TOTAL TIME : | | | 50 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.3750.00
Excluding tests on basic for fabric at Sl. No. 1 above.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref:CL/QA/14:0

2003-11-18

TESTING CHARGES FOR IS:6904:1973 RECEPTACLE, WASTE

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|----------------------------|------------|-----------------------------------|
| 1. | Material | 2 | - |
| | i) Outer pail or container | 2.1 | As per IS 4033:68 or IS 737:65 |
| | ii) Inner pail | 2.2 | As per IS 277:69 |
| 2. | Shape & Dimension | 3 | 2 |
| 3. | Manufacture & Workmanship | 4 | 2 |
| 4. | Finish | 5 | 1 |
| 5. | Tests | 6 | |
| | a) Adhesion | 6.1 | 2 |

PREPARATION OF TEST REPORT

1

TOTAL TIME

8

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.600.00 excluding material and chemical requirements.

Testing charges for material shall be levied as per relevant ISS.
The proposal has been made on the basis of information received from testing lab.

DDGL may kindly approve.

(Veer Singh)
TS (QA)

D&H(QA)
DDGL

The BIS testing charges for IS 6908:1991 effective from 16-05-2018

BUREAU OF INDIAN STANDARDS

CENTRAL LABORATORY

(Quality Assurance Department)

Ref: CL/QA/Testing Charges/6908

13.03.2018

Based on the inputs received from testing section, the testing charges as per **IS 6908:1991 (Amnd-1)**

ASBESTOS CEMENT PIPES AND FITTINGS FOR SEWERAGE AND DRAINAGE is as below:

| S. No. | Requirement/Characteristics | IS/Clause | Man-hours | Power (kWh) | Consumables | Remarks |
|---------------|--|------------------|------------------|--------------------|--------------------|----------------|
| | For Pipes | Cl. 3 | - | - | - | - |
| 39. | Composition | Cl. 3.1 | * | - | - | - |
| 40. | General appearance and finish | Cl. 3.2 | 2 | - | - | - |
| 41. | Dimensional and geometrical characteristics | Cl. 3.4 | - | - | - | - |
| | a. Thickness | Cl. 3.4.2 | 2 | - | - | - |
| | b. Length | Cl. 3.4.3 | 1 | - | - | - |
| | c. Regularity of internal diameter (optional) | Cl. 3.4.5 | ** | - | - | - |
| | d. Straightness (optional) | Cl. 3.4.6 | 2 | - | - | - |
| 42. | Physical Mechanical and Chemical characteristics | | ** | - | - | - |
| | Report Preparation | | 2 | | | |
| | Total | | 9 | | | |
| | For Fittings | Cl. 4 | - | - | - | - |
| 43. | General appearance and finish | Cl. 4.2 | 2 | - | - | - |
| 44. | Dimensional and geometrical characteristics | Cl. 4.4 | - | - | - | - |
| | a. Diameter | Cl. 4.4.2 | 2 | - | - | - |

| | | | | | | |
|-----|--|-----------|----|---|---|---|
| | b. Thickness | Cl. 4.4.3 | 2 | - | - | - |
| 45. | Physical Mechanical and Chemical characteristics | Cl. 4.5 | ** | - | - | - |
| 46. | Joints | Cl. 5 | ** | - | - | - |
| | Report Preparation | | 2 | - | - | - |
| | Total | | 8 | - | - | - |

*Testing charges as per referred ISS.

**Test facility not available at CL.

Testing charges:

For Pipes: 9 x 300 = Rs. 2700.00 excluding regularity of internal diameter, Physical Mechanical and Chemical characteristics and joints

For Fittings: 8 x 300 = Rs. 2400.00 excluding Physical Mechanical and Chemical characteristics and joints

OIC (QA)

Head (CL)

DDGL

As decided by Competent Authority, the testing charges for the product are For Pipes: Rs. 2700/- excluding regularity of internal diameter, Physical Mechanical and Chemical characteristics and joints.

For Fittings: Rs. 2400/- excluding Physical Mechanical and Chemical characteristics and joints.

**(Ankita Tripathi)
Sc.B, LPPD**

HLPPD

DDG (Labs)

The revised BIS testing charges for IS 6911:1992 effective from 06-04-2017

LABORATORY POLICY AND PLANNING DEPTT

OUR REF : LPPD/51:1

06-04-2017

TESTING CHARGES FOR STAINLESS STEEL PLATE, SHEET & STRIP AS PER IS 6911:1992.

| Sl.No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- ever applicable |
|--------|--|-----------------|-----------|---|---|
| A. | TEST PARAMETERS | | | | |
| 1. | Carbon | 7.1&7.2,Table 1 | 2 | 2kwh | 50.00 |
| 2. | Sulphur | -- do -- | 2 | 2kwh | 50.00 |
| 3. | Phosphorous | -- do -- | 3 | 2kwh | 50.00 |
| 4. | Silicon | -- do -- | 3 | 4kwh | 100.00 |
| 5. | Manganese | -- do -- | 3 | 1kwh | 50.00 |
| 6. | Nickel | -- do -- | 3 | 2kwh | 50.00 |
| 7. | Chromium | --do -- | 3 | 2kwh | 50.00 |
| 8. | Molybdenum | -- do -- | 3 | 2kwh | 50.00 |
| 9. | Aluminium | -- do -- | 3 | 2kwh | 50.00 |
| 10. | Nitrogen | -- do -- | 3 | 4kwh | 100.00 |
| 11. | Freedom from Defects | 6 | 0.5 | | |
| 12. | Mechanical properties | 10 | | | |
| | i) Tensile test | 10.1 | 5 | | |
| | ii)Hardness test | 10.2 | 3 | | |
| | iii) Bend test | 10.3 | 2 | | |
| 13. | Erichsen cupping test | 11 | 3 | | |
| 14. | i)Corrosion Resistance Test (Loss in Mass) | 12 | 12 | 720kwh | 500.00 |
| | ii) Corrosion Resistance Test (Moneypenny strauss test) | 12 | 4 | 144kwh | 200.00 |
| B. | Electricity power consumed | | | 23 kwh [excluding S.No.14] | |
| C. | Cost of Consumables/CRMs | | | | 600.00 |
| D. | PREPARATION OF TEST REPORT | | 3 | | |

TOTAL

TIME

44..5(Rounded 45) [excluding S.No.14]

Testing charges per man-hour are Rs.300.00. Hence complete testing charges for the products is:

Total $Rs.300 \times 45 + 23 \times 9 + 600 = Rs.14307.00 = \mathbf{Rs.14305}$ (excluding Corrosion Resistance Test, S.No.14)

$Rs.300 \times 12 + 720 \times 10 + 500 = Rs.11300.00$ for Corrosion resistance test (Loss in Mass)

$Rs.300 \times 4 + 144 \times 10 + 200 = Rs.2840.00$ for Corrosion Resistance Test (Money penny strauss test)

DDGL may kindly approve the above testing charges.

(Kshitij Bathla)
Sc.C, LPPD

Head, LPPD/DDG(Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

2 Nov 2006

Our Ref:CL/QA/79

TESTING CHARGES FOR STAINLESS STEEL PLATE, SHEET & STRIP AS PER IS 6911:1992.

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- ever applicable |
|---------|-----------------------------------|-----------------|-------------------|--------------------------------------|--|
| A. | TEST PARAMETERS | | | | |
| 1. | Carbon | 7.1&7.2,Table 1 | 2 | 2kwh | 50.00 |
| 2. | Sulphur | -- do -- | 2 | 2kwh | 50.00 |
| 3. | Phosphorous | -- do -- | 3 | 2kwh | 50.00 |
| 4. | Silicon | -- do -- | 3 | 4kwh | 100.00 |
| 5. | Manganese | -- do -- | 3 | 1kwh | 50.00 |
| 6. | Nickel | -- do -- | 3 | 2kwh | 50.00 |
| 7. | Chromium | --do -- | 3 | 2kwh | 50.00 |
| 8. | Molybdenum | -- do -- | 3 | 2kwh | 50.00 |
| 9. | Aluminium | -- do -- | 3 | 2kwh | 50.00 |
| 10. | Nitrogen | -- do -- | 3 | 4kwh | 100.00 |
| 11. | Freedom from Defects | 6 | 0.5 | | |
| 12. | Mechanical properties | 10 | | | |
| | i) Tensile test | 10.1 | 5 | | |
| | ii)Hardness test | 10.2 | 3 | | |
| | iii) Bend test | 10.3 | 2 | | |
| 13. | Erichsen cupping test | 11 | 3 | | |
| B. | Electricity power consumed | | | 23 kwh | |
| C. | Cost of Consumables/CRMs | | | | 600.00 |
| D. | PREPARATION OF TEST REPORT | | 3 | | |
| | TOTAL | TIME | 44..5(Rounded 45) | | |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the products is:

Total Rs.75x45+23x4+600=4067.00

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(K.S. Arya)
STA(QA)

D&H(QA)
DDGL

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1984 05 04

TESTING CHARGES FOR IS 6915:1973 CAST BILLET INGOTS AND CONTINUOUSLY
CAST BILLETS FOR ROLLING INTO STRUCTURAL STEEL (ORDINARY QUALITY)
(FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--------------------------------|-------------|-----------|
| 1. | Chemical composition | 6 | |
| | Carbon | | 1 |
| | Manganese | | 1½ |
| | Sulphur | | 2 |
| | Phosphorus | | 2 |
| | Copper (in cu-bearing quality) | | 2½ |
| | Silicon (in skilled steel) | | 2½ |
| 2. | Freedom from defects | 8 | ½ |

| | | | |
|----|---|----|---|
| 3. | Dimensions | 10 | ½ |
| | OPTIONAL TESTS (if agreed to between the purchaser and supplier) | 9 | |
| 1. | Macro-Examination | | 1 |
| 2. | Sulphur print | | 1 |
| | PREPARATION OF TEST REPORT | | ½ |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are as follows:

For chemical composition : Rs. 525.00
For Copper bearing & silicon killed additional Rs.225.00

For each element shall be levied.

Incase optional tests (Macro-examination & sulphur print) are to be performed, a furthur charge of Rs. 150.00 shall be levied.

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 6956:2001 effective from 23-08-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref : LPPD/54:1

08-07-2016

TESTING CHARGES FOR IS:6956:2001 COVER PAPER

| Sl. No. | Characteristics | Clause no. | Man-Hours | Electricity power consumed kwh | Cost of consumable Rs. |
|---------|----------------------------|--------------|-----------|-----------------------------------|---------------------------|
| 1. | General | 4.1 | 0.5 | - | - |
| 2. | Tabular requirements | 4.2, Table 1 | | | |
| | i) pH | Sr.no.i) | 2 | | |
| | ii)Tensile Index (MD&CD) | Sr.no.ii) | 2.5 | | |
| | iii)Cobb test | Sr.no.iii) | 1 | | |
| | iv)Opacity | Sr.no.iv) | 1 | | |
| | v)Brightness * | Sr.no.v) | 1 | | |
| | vi)Burst Index | Sr.no.vi) | 1 | | |
| | vii)Wax picle | Sr.no.vii) | 1 | | |
| | viii)Smoothness | Sr.no.viii) | 1 | | |
| | ix)Folding endurance | Sr.no.ix) | 1 | | |
| | x)Bending stiffness index | Sr.no.x) | 1 | | |
| 3. | Grammage | 4.3 | 2 | | |
| | PREPARATION OF TEST REPORT | | 1 | | |
| | | | ----- | | |
| | TOTAL TIME) | | 16 | | |

Special requirements (for ECO mark) : 6 h

Testing charges per man-hour are Rs.300.00. Hence complete testing charges for the product are:

1. for cover paper which are white in colour : $16 \times 300 = \text{Rs.}4800.00$
2. for cover paper which are not white in colour : $15 \times 300 = \text{Rs.}4500.00$
3. test charges for special requirements (for ECO mark) : $6 \times 300 = \text{Rs.}1800.00$

- Test applicable on white paper only.

The proposal is made on the basis of information received from testing lab.

As decided average testing charges applicable for cover paper which are white and which are not while in colour, is Rs.4650.00

DDGL may kindly approve.

(P. Rajesh))
Sc.E, LPPD

Head, LPPD
DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY

(Q.A. Department)

7 July 2004

Our Ref:CL/QA/79

TESTING CHARGES FOR IS:6956:2001 COVER PAPER

| Sl. No. | Characteristics | Clause no. | Man-Hours | Electricity power consumed kwh | Cost of consumable Rs. |
|---------|----------------------------|--------------|-----------|-----------------------------------|---------------------------|
| 1. | General | 4.1 | 0.5 | - | - |
| 2. | Tabular requirements | 4.2, Table 1 | | | |
| | i) pH | Sr.no.i) | 2 | | |
| | ii)Tensile Index (MD&CD) | Sr.no.ii) | 2.5 | | |
| | iii)Cobb test | Sr.no.iii) | 1 | | |
| | iv)Opacity | Sr.no.iv) | 1 | | |
| | v)Brightness * | Sr.no.v) | 1 | | |
| | vi)Burst Index | Sr.no.vi) | 1 | | |
| | vii)Wax picle | Sr.no.vii) | 1 | | |
| | viii)Smoothness | Sr.no.viii) | 1 | | |
| | ix)Folding endurance | Sr.no.ix) | 1 | | |
| | x)Bending stiffness index | Sr.no.x) | 1 | | |
| 3. | Grammage | 4.3 | 2 | | |
| | PREPARATION OF TEST REPORT | | 1 | | |
| | | | ---- | | |
| | TOTAL TIME) | | 16 | | |

Special requirements (for ECO mark) : 6 h

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are:

4. for cover paper which are white in colour : $15 \times 75 = \text{Rs.}1125.00$
5. for cover paper which are not white in colour : $16 \times 75 = \text{Rs.}1200.00$
6. test charges for special requirements (for ECO mark) : $6 \times 75 = \text{Rs.}450.00$

- Test applicable on white paper only.

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(Veer Singh)
TS(QA)

D&H(QA)
DDGL

The revised BIS testing charges for IS 7021:1973 effective from 23-08-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref : LPPD/54:1

08-07-2016

TESTING CHARGES FOR IS: 7021:1973 PROTEIN RICH FOOD SUPPLEMENT FOR INFANTS AND PRESCHOOL CHILDREN

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|----------------------------|------------|-----------|
| 1. | Aflatoxin | 3.2.2 | 6 |
| 2. | Free Gossypol | 3.2.3 | 5 |
| 3. | Total Gossypol | 3.2.3 | 5 |
| 4. | Urease acidity | 3.2.4 | 2 |
| 5. | Vitamin A | Table 1 | 5 |
| 6. | Vitamin D | -- do -- | 5 |
| 7. | Thiamine | -- do -- | 5 |
| 8. | Rilsoflanin | -- do -- | 5 |
| 9. | Nicotimic acid | -- do -- | 3 |
| 10. | Calcium | -- do -- | 2 |
| 11. | Iron | -- do -- | 2 |
| 12. | Vitamin B12 | -- do -- | - |
| 13. | Folic acid | -- do -- | - |
| 14. | Ascorbic acid | -- do - | 3 |
| 15. | Protein | Table 2 | 4 |
| 16. | Moisture | -- do -- | 1 |
| 17. | Fat | -- do -- | 2 |
| 18. | Total Ash | -- do -- | 1 |
| 19. | A I Ash | -- do -- | 1.5 |
| 20. | Crude fibre | -- do -- | 5 |
| 21. | Bacterial count | -- do -- | 3 |
| 22. | Coliform count | -- do -- | 3 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ----- |
| | TOTAL TIME | | 70 |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.5250/-

As decided, the testing charges have been doubled and the complete testing charges are $2 \times 5250 = \text{Rs.}10500.00$

DDGL may kindly approve.

(P. Rajesh))
Sc.E, LPPD

Head, LPPD

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

2003-05-30

Our Ref:CL/QA/14:0

TESTING CHARGES FOR IS: 7021:1973 PROTEIN RICH FOOD SUPPLEMENT FOR INFANTS AND PRESCHOOL CHILDREN

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|----------------------------|------------|-----------|
| 1. | Aflatoxin | 3.2.2 | 6 |
| 2. | Free Gossypol | 3.2.3 | 5 |
| 3. | Total Gossypol | 3.2.3 | 5 |
| 4. | Urease acidity | 3.2.4 | 2 |
| 5. | Vitamin A | Table 1 | 5 |
| 6. | Vitamin D | -- do -- | 5 |
| 7. | Thiamine | -- do -- | 5 |
| 8. | Rilsoflanin | -- do -- | 5 |
| 9. | Nicotimic acid | -- do -- | 3 |
| 10. | Calcium | -- do -- | 2 |
| 11. | Iron | -- do -- | 2 |
| 12. | Vitamin B12 | -- do -- | - |
| 13. | Folic acid | -- do -- | - |
| 14. | Ascorbic acid | -- do - | 3 |
| 15. | Protein | Table 2 | 4 |
| 16. | Moisture | -- do -- | 1 |
| 17. | Fat | -- do -- | 2 |
| 18. | Total Ash | -- do -- | 1 |
| 19. | A I Ash | -- do -- | 1.5 |
| 20. | Crude fibre | -- do -- | 5 |
| 21. | Bacterial count | -- do -- | 3 |
| 22. | Coliform count | -- do -- | 3 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | ----- |
| | TOTAL TIME | | 70 |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.5250/-

DDGL may kindly approve.

(Avtar Singh)
Director & Head(QA)
DDGL

BIS CENTRAL LABORATORY
(Q.A. Department)
7 June 2006

Our Ref:CL/QA/79

TESTING CHARGES FOR TABLE WINES AS PER IS 7058:2005

| Sl.No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- ever applicable |
|--------|---|----------------|-----------|---|--|
| A. | TEST PARAMETERS | | | | |
| 1. | Ethyl alcohol content | 4 of IS 3752 | 2 | 1kwh | |
| 2. | Shall be free from any unpleasant aroma, unpleasant taste, cloudiness, sediments or suspended matters, mould and bacterial growth | 7.2 of IS 7058 | 0.5 | | |
| 3. | Carbonation | 7.7 of IS 7058 | 1 | | |
| 4. | Reducing residual sugar | 7 of IS 7585 | 4 | 1kwh | 50 |
| 5. | pH | 5.1 – do -- | 0.5 | | |

| | | | | | |
|-----|---|----------------|---|------|-----|
| 6. | Total acids (as Tartaric acid) | 5.2 – do -- | 1 | | 25 |
| 7. | Volatile acidity expressed as acetic acid | 5.3 – do -- | 3 | 1kwh | 25 |
| 8. | Esters as ethyl acetate | 10 of IS 3752 | 2 | 1kwh | 50 |
| 9. | Higher alcohals as amyl alcohol | 11 of IS 3752 | 4 | 1kwh | 100 |
| 10. | Aldehydes as acetate dehyde | 12 of IS 3752 | 3 | | 50 |
| 11. | Total sulphur dioxide | 9.2 of IS 7585 | 2 | | 50 |
| 12. | Free sulphur dioxide | 9.1 – do -- | 2 | | 50 |
| 13. | Copper (as Cu) | 10 – do-- | 2 | | 50 |
| 14. | Iron (as Fe) | 11 – do -- | 6 | 1kwh | 50 |
| 15. | Extracts | 6 – do-- | 2 | 1kwh | |
| 16. | Tannins | 8 – do -- | 3 | 1kwh | 100 |

TESTING CHARGES FOR TABLE WINES AS PER IS 7058:2005

| | | | | | |
|-----|----------------------------|---------------|----|--------------|--------|
| 17. | Methyl alcohol | 16 of IS 3752 | 3 | 1kwh | 50 |
| B. | Electricity power consumed | | | 9 kwh=9units | |
| C. | Cost of Consumables/CRMs | | | | 650.00 |
| D. | PREPARATION OF TEST REPORT | | 1 | | |
| | TOTAL | TIME | 42 | | |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the products is:

Total Rs.42x75+9x4+650=Rs.3836. 00(Rounded=3840.00)

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(K.S. Arya)
STA(QA)

D&H(QA)
DDGL

BIS CENTRAL LABORATORY, SAHIBABAD

(Q.A. Department)

Our Ref:Lab/14:0

1996 01 12

Testing charges for is 7080(Pt 1):1992 MTP SUCTION APPARATUS MANUALLY OPERATED

| SL. NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|---------|---|--------------------------|-----------|
| 1. | Marking and Packing | 9 & 10 | 1 |
| 2. | Shape and dimensions cannula | 3.1 & 7.1 | 2 |
| 3. | Material | | |
| | a) Metal Parts, glass, Plastic parts Aluminium parts And tubing | 4.1,4.3,4.4 4.5 & 4.7 | 1 |
| | b) Rubber components | 4.2 | 2 |
| | c) Cannula | 4.6 | * |
| 4. | Construction cannula, base and handle | 5.1,5.2 and 5.3 | 1.5 |
| 5. | General requirements | 6.1,6.2,6.3, 6.6,6.7 | |
| | a) Design, stability, tubing overflow cut off value, exhaust outlet | | 1.5 |
| | b) Vacuum gauge | 6.4 | ** |
| | c) Bottles and frame work | 6.5 & 8.6 | 3 |
| | d) Mass | 6.8 | 0.5 |
| 6. | Workmanship and finish | 7 | |
| | a) Valves & stopcocks & operation | 7.2 and 7.3 | 0,5 |
| | b) Plating test | 7.4 and 7.3 | ** |
| 7. | Tests | | |
| | a) Adhesion test | 8.1 | 1 |
| | b) Leak proofness of system | 8.2 | 1 |
| | c) Performance | 8.4 | 1 |
| | d) Corrosion resistance test (for metal cannula only) | 8.5 | **** |

PREPARATION OF TEST REPORT

1

TOTAL TIME

17

Testing charges per man-hour are Rs.76.00. Hence complete testing charges for the product are Rs.1275.00.

Testing charges for is 7080(Pt 1):1992 MTP SUCTION APPARATUS MANUALLY OPERATED

*To be tested as per IS 8313:77 or IS 1570:61

** Testing facilities are not available at CL (IS 83624;87)

***To be tested as per IS 4827:83 and IS 1068:85

****Tests to be carried by Chemical lab.

DDGL may kindly approve.

Sd/-

(V.K. Sethi)

Technical Supervisor(QA)

DCL(DKC) Sd/- 96 01 15

DCL(QA) Sd/- 01/16

DDGL Sd/- 01/19

BIS CENTRAL LABORATORY
(Q.A. Department)
2001-11-13

Our Ref:CL/QA/14:0

TESTING CHARGES FOR IS: 7080(Pt III)-92 MTP SUCTION APPARATUS ELECTRICALLY OPERATED

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|---|---|-----------|
| 1. | Shape & Dimensions of cannula | 4 & 9.1 | 2 |
| 2. | Material | | |
| | a) Metal parts, glass parts, plastic parts, fibre glass parts, tubing | 5.1,5.3,5.4 5.5,5.6 & 5.8 | 1 |
| | b) Rubber components | 5.2 | 2 |
| | c) Cannula | 5.7 | * |
| | d) Castor Wheels | 5.9 | ** |
| 3. | Construction Cannula, base & Handle | 6.1,6.2,6.3&10.5 | 2 |
| 4. | General Requirements | | |
| | a) Design, Stability, Tubing, Over flow cut off valve, exhaust-outlet, vaccum control valve & Indicator | 7.1,7.2,7.3,7.6 7.7 & 10.3,7.15,7.16 | 1.5 |
| | b) Vaccum gauge | 7.4 | *** |
| | c) Bottles | 7.5 & 10.6 | 4 |
| | d) Mass | 7.8 | 1.5 |
| | e) Filter cartidge | 7.10 | 2.5 |
| 5. | Switches & Wiring | 7.11 & 7.12 | **** |
| 6. | Safety requirements | 8.1 | **** |
| 7. | Workmanship & Finish | | |
| | a) Valves & Stop cocks and operation | 9.2 & 9.3 | 0.5 |
| | b) Plating | 9.4 & 9.5 | ***** |
| 8. | Tests | | |
| | a) Adhesion test | 10.1 | 1 |
| | b) Leak Proofness | 10.2 | 1 |
| | c) Capability to withstand vaccum | 10.3 | 1 |
| | d) Performance | 10.4 | 1 |
| | e) Noise level | 10.7 & 7.13 | 1 |

PREPARATION OF TEST REPORT

1

TOTAL TIME

23

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs....

- To be tested as per IS 8313 & 1570
- ** Testing facility not available at CL (IS 4034:79)
- *** To be tested as per IS 3624:87
- **** To be tested by electrical lab
- ***** To be tested as per IS 4827:83 & 1068:85

DG may kindly approve.

(V.K. Sethi)
TS(QA)

D&H(QA)
DDGL
ADGT
DG

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref:CL/QA/14:0

2003-11-18

TESTING CHARGES FOR IS: 7081:1973 STOOL REVOLGING FOR HOSPITAL USE

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|-------------------------------|------------|--|
| 1. | Material | 3 | |
| | I) Top | 3.1 | As per IS 6911:72 |
| | ii) Logs and Central tube | 3.2 | As per IS 2039:64 |
| | iii) Bush and Central spindle | 3.3 | As per IS 2591:69 |
| | | | or |
| | iv) Shoes | 3.4 | As per Is 4855:68 As per IS 5192:69 |
| 2. | Shape & Dimensions | 2 | 2 |
| 3. | Manufacture & Workmanship | 4 | 2 |
| 4. | Finish | 5 | 1 |
| 5. | Adhesion test | 6 | 2 |

PREPARATION OF TEST REPORT

1

TOTAL TIME

8

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs. 600.00 excluding material & chemical requirements.

- Testing charges for material shall be levied as relevant ISS.
- The proposal has been made on the basis of information received from testing lab.

DDGL may kindly approve.

(Veer Singh)
D&H (QA)

D&H (QA)

DDGL

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1988 02 24

TESTING CHARGES FOR IS 7085:1986 POLYESTER BLEND SHIRTING-MARKET
VARIETIES

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---------|------------------|-----------|
| 1. | Marking | 4 | ½ |
| 2. | Yarn | 2.1 ³ | ½ |
| 3. | Cloth | 2.2 ³ | |

4. Requirements

| | | |
|--|---------------------|--|
| i) Thread count | 3.1 & i) of table 1 | 1 |
| ii) Bend composition, percent | " ii) " | 5 |
| iii) Mass | " iii) " | ½ |
| iv) Breaking load | " iv) " | 2½ |
| v) Dimensions (length & width | " v) & vi) Table 1 | ½ |
| vi) Relaxation shrinkage, percent, Max. | " vii) of table 1 | 2½ |
| vii) pH | " viii) " | 1 |
| viii) Water soluble | " ix) " | 2 |
| ix) Colour fastness | | |
| a) Light | | Facilities presently not available at CL. |
| b) Washing | | do |
| c) Perspiration | | 3 |
| d) Rubbing | | Facilities presently not available at CL |
| e) Hot pressing | | do |
| x) Filling | | do |
| ix) Defects | | ½ |
| PREPARATION OF TEST REPORT | | 1 |

TOTAL TIME : 20

Testing charges per man-hour are Rs. 75.00.

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Hence complete testing charges for the product are : Rs.1500.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1983 03 03

TESTING CHARGES FOR IS 7092 (PT.1):1976 ALUMINIUM ALLOY TUBE FOR
IRRIGATION PURPOSES PART-1 WELDED TUBE (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---|-------------|-----------|
| 1. | Workmanship & finish | 4 | ½ |
| 2. | Chemical composition | 6.1 | |
| | a) Copper | | 2 |
| | b) Magnesium | | 2 |
| | c) Silicon | | 2½ |
| | d) Iron | | 1½ |
| | e) Manganese | | 1½ |
| | f) Zinc | | 2 |
| | g) Titanium | | 2 |
| | h) Chromium (not required in alloy 31500 & 40800) | | 2 |
| 3. | Tensile test | 6.2 | 2 |
| 4. | Flatting test | 6.3 | 1 |
| 5. | Pressure test | 6.4 | 1 |
| 6. | Dimension & tolerance | 7 | ½ |
| 7. | Denting factor | 8 | ½ |

PREPARATION OF TEST REPORT

½

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are as follows :-

For each of the alloys 31000, 51300, 52000, 53000, 55000 Rs.1200.00

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ŠFor each of the alloys 31500 & 40800 Rs.1050.00

For Physical Tests only Rs.450.00

APPROVED BY THE COMPETENT AUTHORITY.

The BIS testing charges for IS 7092(P-2):1987 effective from 12-02-2018

BUREAU OF INDIAN STANDARDS

WRO LABORATORY, Mumbai

Our Ref.: WROL/TC/Mechanical / IS 7092 (pt-2)

27 Nov 2017

Testing Charges for Aluminum alloy Tube for Irrigation Purposes as per IS 7092(Pt-2):1987 including Amendment No. 2

| S No | Tests | Clause Reference | Man Hours |
|------|----------------------------|------------------|-------------|
| A | MECHANICAL TESTS | | |
| 1. | Workmanship and finish | Cl 4 | 0.5 |
| 2. | Mechanical properties | Cl 6.2 | 4.0 |
| 3. | Drift expanding test | Cl 6.3 | 2.0 |
| 4. | Hydraulic pressure test | Cl 6.4 | 3.0 |
| 5. | Dimensions and tolerances | Cl 7 | 2.0 |
| 6. | Marking | Cl 9 | 0.5 |
| | | | |
| B | CHEMICAL TEST | | |
| 7. | Chemical composition | Cl 6.1 | |
| | Cu | | 2.5 |
| | Mg | | 2 |
| | Si | | 3 |
| | Fe | | 1.5 |
| | Mn | | 1.5 |
| | Zn | | 2.5 |
| | Cr | | 2.5 |
| | Al | | 0.5 |
| | Titanium | | 4 |
| 8. | Preparation Of Test Report | | 1.0 |
| | | | |
| | Total Man Hours | | 33.0 |

| | | | |
|---|---|---------|---------------------|
| Cost of Consumables | : | | Rs. 950.00 |
| Electric Power Consumed (@ Rs. 15.00 per unit)* | : | 25Units | Rs. 375.00 |
| Testing Charges as per man hours (@ Rs. 300.00 per man hour) | : | 33 hrs | RS. 9900.00 |
| Total Testing Charges | : | | Rs. 11225.00 |

*(As per existing Electricity charges)

Rajeshri Nagvekar
LO B, Chemical

Shekh
A. R.
LO B, Mechanical

OIC (Mech/Chem)
Head WROL
Head LPPD
DDGL

As decided by Competent Authority, the testing charges for the product are Rs 11230/-

(Ankita Tripathi)
Sc.B, LPPD

HLPPD

DDG (Labs)

The revised BIS testing charges for IS 7098(P-1):1988 effective from 15-05-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

11.03.2016

TESTING CHARGES FOR IS: 7098(Pt-1):1988 CROSSED LINKED POLYETHYLENE INSULATED PVC SHEATHED CABLES

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|--|-------------------------|-----------|
| A. | Single Core Cable | | |
| 0. | Preparation of sample | | 4 |
| 1. | General constructions, marking & packing | 8 | 1 |
| 2. | Anealing test (for copper conductor) | 15-1 as per IS 8130 | 2 |
| | OR | | |
| | Wrapping test and tensile test (for aluminium conductor) | 15-1 as per IS 8130 | 2 |
| 3. | Resistance test on conductor | 15-1 as per IS 8130 | 3 |
| 4. | Test for armouring wire/strips | 6.13, table 6 & IS 3975 | |
| | a) Dimensions of armour steel wire/strips | Table 6 | 2 |
| | b) Tensile strength and elongation | IS 3975 | 3 |
| | c) Torsion test on wires | IS 3975 | 2 |
| | OR | | |
| | Winding test on strips | IS 3975 | 2 |
| | d) Resistance test on wires/strips | IS 3975 | 2 |
| | e) Zinc coating test | IS 3975 | 5 |
| 5. | Thickness of insulation | 9, table 3 | 2 |
| 6. | Thickness of outer sheath | 7, table 5 | 2 |
| 7. | Thickness of inner sheath | 12 | 2 |
| 8. | Tensile strength and elongation at break for insulation (after & before ageing) | Table 1 | 4 |
| 9. | Tensile strength and elongation at break for insulation (after & before ageing) | 12 & IS 5831 | 4 |
| 10. | Ageing test on insulation | Table 1 | 4 |
| 11. | Ageing test on sheath | 12 IS 5831 | 4 |
| 12. | Hot set test on insulation | Table 1 | 4 |

| | | | |
|-----|-------------------------------------|---------|---|
| 13. | Shrinkage test on insulation | Table 1 | 2 |
| 14. | Water absorption test on insulation | Table 1 | 5 |
| 15. | Loss of mass in air oven for sheath | IS 5831 | 4 |
| 16. | Shrinkage test on sheath | IS 5831 | 1 |
| 17. | Hot deformation test on sheath | IS 5831 | 2 |
| 18. | Heat shock test on sheath | IS 5831 | 2 |

TESTING CHARGES FOR IS: 7098(Pt-1):1988 CROSSED LINKED POLYETHYLENE INSULATED PVC SHEATHED CABLES

| | | | |
|-----|--|---------|---|
| 19. | Thermal stability test on sheath | IS 5831 | 4 |
| 20. | Insulation resistance (Volume resistivity test) At 27 deg.C At 90 deg.C | Table 1 | 4 |
| 21. | High voltage test | 16.2 | 2 |
| 22. | Flammability test | 16.3 | 2 |

PREPARATION OF TEST REPORT

2

TOTAL TIME

80

B. Optional Test

| | | | |
|----|------------------------------------|------|---|
| 1. | Cold hand test or cold impact test | 15.4 | 4 |
|----|------------------------------------|------|---|

Electricity consumption : 250 Units @ Rs.4.00 per unit=Rs.1000.00

Testing charges per man hour are : Rs.300.00

Hence complete testing charges for the product (single core) are $(80 \times 300) + 2250 = \text{Rs.}26250.00$

For multicore cables, extra charges @35% for each additional core shall be levied.

For the applicable optional test the charges shall be levied Rs.1200.00

DDGL may kindly approve the above testing charges.

(AnuritaJojo)
Sc.,C, LPPD

H(LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref:CL/QA/14:0

2003-09-09

TESTING CHARGES FOR IS: 7098(Pt-1):1988 CROSSED LINKED POLYETHYLENE INSULATED PVC SHEATHED CABLES

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|--|-----------------------|-----------|
| A. | Single Core Cable | | |
| 0. | Preparation of sample | | 4 |
| 1. | General constructions, marking & packing | 8 | 1 |
| 2. | Anealing test (for copper conductor) | 15-1 as per IS 8130 | 2 |
| | OR | | |
| | Wrapping test and tensile test (for aluminium conductor) | 15-1 as per IS 8130 | 2 |
| 3. | Resistance test on conductor | 15-1 as per IS 8130 | 3 |
| 4. | Test for armouring wire/strips | 6.13, table 6&IS 3975 | |
| | a) Dimensions of armour steel wire/strips | Table 6 | 2 |
| | b) Tensile strength and elongation | IS 3975 | 3 |
| | c) Torsion test on wires | IS 3975 | 2 |
| | OR | | |
| | Winding test on strips | IS 3975 | 2 |
| | d) Resistance test on wires/strips | IS 3975 | 2 |
| | e) Zinc coating test | IS 3975 | 5 |
| 5. | Thickness of insulation | 9, table 3 | 2 |
| 6. | Thickness of outer sheath | 7, table 5 | 2 |
| 7. | Thickness of inner sheath | 12 | 2 |
| 8. | Tensile strength and elongation at break for insulation (after & before ageing) | Table 1 | 4 |
| 9. | Tensile strength and elongation at break for insulation (after & before ageing) | 12 & IS 5831 | 4 |
| 10. | Ageing test on insulation | Table 1 | 4 |
| 11. | Ageing test on sheath | 12 IS 5831 | 4 |

| | | | |
|-----|-------------------------------------|---------|---|
| 12. | Hot set test on insulation | Table 1 | 4 |
| 13. | Shrinkage test on insulation | Table 1 | 2 |
| 14. | Water absorption test on insulation | Table 1 | 5 |
| 15. | Loss of mass in air oven for sheath | IS 5831 | 4 |
| 16. | Shrinkage test on sheath | IS 5831 | 1 |
| 17. | Hot deformation test on sheath | IS 5831 | 2 |
| 18. | Heat shock test on sheath | IS 5831 | 2 |

TESTING CHARGES FOR IS: 7098(Pt-1):1988 CROSSED LINKED POLYETHYLENE INSULATED PVC SHEATHED CABLES

| | | | |
|-----|--|---------|---|
| 19. | Thermal stability test on sheath | IS 5831 | 4 |
| 20. | Insulation resistance (Volume resistivity test) At 27 deg.C At 90 deg.C | Table 1 | 4 |
| 21. | High voltage test | 16.2 | 2 |
| 22. | Flammability test | 16.3 | 2 |

PREPARATION OF TEST REPORT

2

TOTAL TIME

80

B. Optional Test

| | | | |
|----|------------------------------------|------|---|
| 1. | Cold hand test or cold impact test | 15.4 | 4 |
|----|------------------------------------|------|---|

Electricity consumption : 250 Units @ Rs.4.00 per unit=Rs.1000.00

Testing charges per man hour are : Rs.75.00

Hence complete testing charges for the product (single core) are $(80 \times 75) + 1000 = \text{Rs.}7000.00$

For multicore cables, extra charges @35% for each additional core shall be levied.

For the applicable optional test the charges shall be levied Rs.300.00

DDGL may kindly approve.

D&H(QA)
DDGL

(Veer Singh)
TS(QA)

The revised BIS testing charges for IS 7098 (Pt-2):2011 effective from 24-03-2017

**BIS CENTRAL LABORATORY
(Electrical Department)**

Our Ref: CL/E/IS 7098

4th May 2016

TESTING CHARGES FOR IS: 7098(Pt-2):1985 CROSSED LINKED POLYETHYLENE INSULATED PVC SHEATHED CABLES FOR WORKING VOLTAGES FROM 3.3 KV UPTO AND INCLUDING 33 KV

| S.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|-------|--|-----------------|-----------|
| A. | Single Core Cable | | |
| 0. | Preparation of sample | | 6 |
| 1. | General constructions, marking & packing | Section 2 and 3 | 2 |
| 2. | a) Annealing test for round copper conductor (when supplied separately) | IS 8130:1984 | 2 |
| | OR | | |
| | b) Tensile test (for sound aluminium conductor only) | IS 8130 | |
| | AND | | |
| | c) Wrapping test (for round aluminium conductor only) | IS 8130 | |
| | d) Resistance test for conductor | IS 8130 | 6 |
| | e) Number of wires in the conductor | IS 8130 | 0.5 |
| 3. | Armour Wire & Strip | | |
| | a) Dimensions | IS 3975:1988 | 2 |
| | b) Tensile strength and elongation of steel wire/strip | IS 3975:1988 | 2.5 |
| | c) Torsion test on wire | IS 3975:1988 | 2 |
| | or | | |
| | d) Winding test on strips | IS 3975:1988 | 2 |
| | e) Resistivity test on wires/strips | IS 3975:1988 | 2 |

| | | | | |
|----|-----|---|------------------|---|
| | f) | Zinc coating test | IS 3975:1988 | 5 |
| | g) | Coverage | IS 1554(1): 1988 | 2 |
| 4. | | Conductance of armour (for mining cables) | 16.5 | 2 |
| 5. | | Insulation & Sheath | | |
| | a) | Thickness of insulation | 11 & tale 2 | 3 |
| | b) | Thickness of inner sheath | 15 & table 3 | 1 |
| | c) | Thickness of outer sheath | 17 & table 5 | 2 |
| | d) | Tensile strength & elongation at break for insulation (before&after ageing) | Table 1 | 4 |
| | e) | Ageing test on insulation | Table 1 | 4 |
| | f) | Hot set test on insulation | Table 1 | 4 |
| | g) | Shrinkage test on insulation | Table 1 | 2 |
| | h) | Water absorption test for insulation | Table 1 | 5 |
| 6. | | Outer sheath | | |
| | a) | Tensile strength & elongation at break on outer sheath | IS 5831:1984 | 4 |
| | b) | Ageing test on outer sheath | IS 5831:1984 | 4 |
| | c) | Shrinkage test on outer sheath | IS 5831:1984 | 1 |
| | d) | Hot deformation test on outer sheath | IS 5831:1984 | 2 |
| | e) | Loss of mass test | IS 5831:1984 | 4 |
| | f) | Heat shock test | IS 5831:1984 | 2 |
| | g) | Thermal stability test | IS 5831:1984 | 4 |
| 7. | | Insulation resitance test | Table 1 | 6 |
| | i) | At 27 deg.C | | |
| | ii) | At 90 deg.C | | |
| 8. | | High voltage test | 20.7 | 6 |
| 9. | | Flammability test | 20.8 | 2 |

PREPARATION OF TEST REPORT

2

TOTAL TIME

105

| | | |
|---------------------|------|---|
| B. Optional tests: | | |
| 1. Cold impact test | 18.4 | 4 |

Electricity consumption: 250 Units @ Rs.9.00 per unit = Rs.2250.00

 Testing charges per man hour are Rs.300.00

Hence complete testing charges for the product (Single core)=(105x300) + 2250 = Rs.33750.00 For multi-core cables, extra charges @ 35% for each additional core shall be levied.

For the applicable optional test the charges shall be levied @ Rs.300 per man hour.

Yashpal

TA)

OIC(E)

Head(CL)

As decided by CA testing charges are:

Rs. 33750/- for single core

Excluding Partial discharge test, bending test followed by partial discharge test, Heating cycle test followed by partial discharge test, impulse withstand test.

For multi core cables, extra charges @ 35 % for each additional core shall be levied

(Kshitij Bathla)

Sc.B, LPPD

Head, LPPD

DDGL

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref:CL/QA/14:0

2003-09-09

TESTING CHARGES FOR IS: 7098(Pt-2):1985 CROSSED LINKED POLYETHYLENE INSULATED PVC SHEATHED CABLES FOR WORKING VOLTAGES FROM 3.3 KV UPTO AND INCLUDING 33 KV

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|--|-----------------|-----------|
| A. | Single Core Cable | | |
| 0. | Preparation of sample | | 6 |
| 1. | General constructions, marking & packing | Section 2 and 3 | 2 |
| 2. | a) Annealing test for round copper conductor (when supplied separately) | IS 8130:1984 | 2 |
| | OR | | |
| | b) Tensile test (for sound aluminium conductor only) | IS 8130 | |
| | AND | | |
| | c) Wrapping test (for round aluminium conductor only) | IS 8130 | |
| | d) Resistance test for conductor | IS 8130 | 6 |
| | e) Number of wires in the conductor | IS 8130 | 0.5 |
| 3. | Armour Wire & Strip | | |
| | a) Dimensions | IS 3975:1988 | 2 |
| | b) Tensile strength and elongation of steel wire/strip | IS 3975:1988 | 2.5 |
| | c) Torsion test on wire | IS 3975:1988 | 2 |
| | or | | |
| | d) Winding test on strips | IS 3975:1988 | 2 |

| | | | |
|-----|---|--------------|---|
| e) | Resistivity test on wires/strips | IS 3975:1988 | 2 |
| f) | Zinc coating test | IS 3975:1988 | 5 |
| 4. | Conductance of armour (for mining cables) | 16.5 | 2 |
| 5. | Insulation & Sheath | | |
| a) | Thickness of insulation | 11 & tale 2 | 3 |
| b) | Thickness of inner sheath | 15 & table 3 | 1 |
| c) | Thickness of outer sheath | 17 & table 5 | 2 |
| d) | Tensile strength & elongation at break for insulation (before&after ageing) | Table 1 | 4 |
| e) | Ageing test on insulation | Table 1 | 4 |
| f) | Hot set test on insulation | Table 1 | 4 |
| g) | Shrinkage test on insulation | Table 1 | 2 |
| h) | Water absorption test for insulation | Table 1 | 5 |
| 6. | Outer sheath | | |
| a) | Tensile strength & elongation at break on outer sheath | IS 5831:1984 | 4 |
| b) | Ageing test on outer sheath | IS 5831:1984 | 4 |
| c) | Shrinkage test on outer sheath | IS 5831:1984 | 1 |
| d) | Hot deformation test on outer sheath | IS 5831:1984 | 2 |
| e) | Loss of mass test | IS 5831:1984 | 4 |
| f) | Heat shock test | IS 5831:1984 | 2 |
| g) | Thermal stability test | IS 5831:1984 | 4 |
| 7. | Insulation resitance test | Table 1 | 6 |
| i) | At 27 deg.C | | |
| ii) | At 90 deg.C | | |
| 8. | High voltage test | 19.7 | 6 |
| 9. | Flammability test | 19.8 | 2 |

PREPARATION OF TEST REPORT

2

TOTAL TIME

103

B. Optional tests:

1. Cold impact test 18.4 4

Electricity consumption: 250 Units @ Rs.4.00 per unit + Rs.1000.00

Testing charges per man hour are Rs.75.00

Hence complete testing charges for the product (Single core)=(103x75) + 1000 = Rs.8725.00

For multicore cables, extra charges @ 35% for each additional core shall be leived

For the applicable optional test the charges are Rs.300.00

DDGL may kindly approve.

(Veer Singh)
TS(QA)

D&H(QA)
DDGL

| S I N o | Characteristics | Cl. No. /Method of Test | Man- hours | Man hours cost of testing (in Rs.) @Rs. 300/- | Electr icity (kWh) | Cost of Electrici ty (in Rs.) @ Rs.10.00 /kWh | Consu- mable cost (if significant) | Total Cost of Testing (Rs.) | Remar ks |
|------------------|--|-------------------------------|---------------|---|--------------------------|--|---|--------------------------------------|-------------|
| | a) Thickness and Dimension | Table-5, Cl.20.15 | 4 | 1200 | 0 | 00 | - | 1200 | |
| | b) Tensile strength & Elongation at break(before &after ageing) | Table-2 | 3 | 900 | 2 | 20 | - | 920 | |
| | c) Thermal ageing in air oven | Table-2 | 2 | 600 | 65 | 650 | - | 1250 | |
| | d) Hot Set test | Table-2 | 4 | 1200 | 5 | 50 | - | 1250 | |
| | e) Shrinkage test | Table-2 | 2 | 600 | 3 | 30 | - | 630 | |
| | f) Resistivity test for semi- conducting layers | 20.1.4 | 4 | 1200 | 5 | 50 | -- | 1250 | |
| | g) Test for concentric metallic screen | | | | | | - | | |
| | i. Test for concentric copper wire | 20.2 | 3 | 900 | 0 | | - | 900 | |
| | ii. Test for concentric copper tape | 20.3, Note | 3 | 900 | 0 | | - | 900 | |
| | h) Thickness of metallic sheath | 20.4 | 2 | 600 | 0 | | - | 600 | |
| 5 | Test for outer sheath | | | | | | | | |
| | a) Thickness measurement | Table-9 | 2 | 600 | 0 | - | - | 600 | |
| | b) PVC SHEATH | | | | | | | | |
| | i) Tensile strength &Elongation at break(before &after ageing) | IS 5831:1984 | 3 | 900 | 2 | 20 | - | 920 | |
| | ii) Thermal ageing in air oven | | 2 | 600 | 65 | 650 | - | 1250 | |
| | iii) Loss of mass test | | 3 | 900 | 65 | 650 | - | 1550 | |
| | iv) Hot deformation test | | 3 | 900 | 10 | 100 | - | 1000 | |
| | v) Heat shock test | | 3 | 900 | 6 | 60 | - | 960 | |
| | vi) Shrinkage test | | 2 | 600 | 3 | 30 | - | 630 | |
| | vii) Thermal stability test | | 4 | 1200 | 3 | 30 | - | 1230 | |
| | c) P E SHEATH | | | | | | | | |
| | i) Carbon black content | 8.3 | 5 | 1500 | 10 | 100 | Chemical s Rs. 400 | 2000 | |
| | ii) Tensile strength & Elongation at break(before &after ageing) | 8.3 | 3 | 900 | 2 | 20 | - | 920 | |
| | iii) Hot deformation test | 8.3 | 3 | 900 | 10 | 100 | - | 1000 | |
| | iv) Ageing in air oven | 5.3 | 2 | 600 | 130 | 1300 | - | 1900 | |
| 6 | Flammability test (for PVC outer sheathed cable only) | 20.6 | 2 | 600 | 0 | 00 | Gas Rs-50.00 | 650 | |
| 7 | Water tightness test | 20.7.3 | 10 | 3000 | 100 | 1000 | | 4000 | |

| S I N o | Characteristics | Cl. No. /Method of Test | Man- hours | Man hours cost of testing (in Rs.) @Rs. 300/- | Electr icity (kWh) | Cost of Electrici ty (in Rs.) @ Rs.10.00 /kWh | Consu- mable cost (If significant) | Total Cost of Testing (Rs.) | Remar ks |
|------------------|---|-------------------------------|---------------|---|--------------------------|--|---|--------------------------------------|-------------|
| . | | | | | | | | | |
| 8 | a) Thermal ageing on complete cable sample | 20.8 | 2 | 600 | 170 | 1700 | - | 2300 | |
| . | b) Tensile strength & Elongation at break for insulation & outer sheath | 20.8.1 | 4 | 1200 | 2 | 20 | - | 1220 | |
| . | c) Resistivity test for semi-conducting layer | 20.1 | 4 | 1200 | 5 | 50 | - | 1250 | |
| B | Preparation of test report | - | 2 | 600 | 0 | 00 | | 600 | |
| . | Total | | 115 | 34500 | 666 | 6660 | 450 | 41610 | |

Testing charges for **unarmoured XLPE Insulated & PVC sheathed cable** (Excluding Bending Test followed by Partial Discharge, Dielectric power factor, capacitance measurement, Load cycle test followed by P.D measurement , Impulse withstand test followed by H.V. test) = Rs.33,370/-
Testing charges for **unarmoured XLPE Insulated PE sheathed cable** (Excluding Bending Test followed by Partial Discharge, Dielectric power factor, capacitance measurement, Load cycle test followed by P.D measurement , Impulse withstand test followed by H.V. test) = Rs.31,000/-
Testing charges for **armoured XLPE Insulated PVC sheathed cable** (Excluding Bending Test followed by Partial Discharge, Dielectric power factor, capacitance measurement, Load cycle test followed by P.D measurement , Impulse withstand test followed by H.V. test) = Rs.35,790/-
Testing charges for **armoured XLPE Insulated PE sheathed cable** (Excluding Bending Test followed by Partial Discharge, Dielectric power factor, capacitance measurement, Load cycle test followed by P.D measurement , Impulse withstand test followed by H.V. test) = Rs.33,420/-

(B. Biswas)
TA

(T. Mondal)
LO-A

OIC(E)
H(EROL)
H(LPPD)
DDGL

As decided by Competent Authority, the testing charges for the product are:

Unarmoured XLPE Insulated & PVC sheathed cable: Rs. 33,370/- (Excluding Bending Test followed by Partial Discharge, Dielectric power factor, capacitance measurement, Load cycle test followed by P.D measurement, Impulse withstand test followed by H.V. test)

Unarmoured XLPE Insulated PE sheathed cable: Rs.31,000/- (Excluding Bending Test followed by Partial Discharge, Dielectric power factor, capacitance measurement, Load cycle test followed by P.D measurement, Impulse withstand test followed by H.V. test)

Armoured XLPE Insulated PVC sheathed cable: Rs.35,790/- (Excluding Bending Test followed by Partial Discharge, Dielectric power factor, capacitance measurement, Load cycle test followed by P.D measurement, Impulse withstand test followed by H.V. test)

Armoured XLPE Insulated PE sheathed cable: Rs.33,420/- (Excluding Bending Test followed by Partial Discharge, Dielectric power factor, capacitance measurement, Load cycle test followed by P.D measurement, Impulse withstand test followed by H.V. test)

**(Ankita Tripathi)
Sc.B, LPPD**

HLPPD

DDG (Labs)

BIS CENTRAL LABORATORY, SAHIBABAD
[Q. A. DEPARTMENT]

OUR REF : LAB/14:0

2001 12 10

TESTING CHARGES FOR IS 7121:1973 CARBARYL WATER DISPERSIBLE POWDER CONCENTRATES

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---------------------------------|-------------------|-----------|
| 1. | Carbaryl content by UV-Vis | 3.1&i) of Table 1 | 6 |
| 2. | Material passing through sieve, | ii) " | 1 |
| 3. | Suspensibility, | iii) " | 6 |
| 4. | Acidity/Alkalinity | iv) " | 1 |
| 5. | Foam test | v) " | 1 |
| | PREPARATION OF TEST REPORT | | 0.5 |
| | TOTAL TIME (Rounded) | | 16 |

Cost of CRM : Rs.200/-

Testing charges per man-hour are Rs. 75.00 Hence complete testing charges for the product are :
Rs 1400.00 (Including cost of CRM).

DG may kindly approve.

(V.K. Sethi)
TS (QA)

D&H (QA)

DDGL

ADGT

DG

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

2001 2 10

TESTING CHARGES FOR IS 7122:1984 CARBARYL DUSTING POWDERS.

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--------------------------------|-------------------|-----------|
| 1. | Carbaryl content by UV-Vis | 2.2 & i) of Table | 6 |
| 2. | Material passing through sieve | " ii) " | 1 |
| 3. | Bulk Density | " iii) " | 1 |
| 4. | Acidity/Alkalinity | " iv) " | 1 |
| | PREPARATION OF TEST REPORT | | 0.5 |

TOTAL TIME (Rounded) 10

Cost of CRM :Rs.200.00

Testing charges per man-hour are Rs. 75.00. Hence complete testing charges for the product are :
Rs.950.00 (Including cost of CRM)

DG may kindly approve.

(V.K. Sethi)
TS (QA)

D&H (QA)
DDGL
ADGT
DG

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1986 08 01

TESTING CHARGES FOR IS 7123:1984 HAIR OILS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--------------------------------|-------------|-----------|
| 1. | Description | 3.1 | ½ |
| 2. | Ingredients | | |
| | a) Base oil for Type 1 oils | 3.2.1.1 | |

| | | |
|-------------------------------------|---------|---|
| i) Caster oil | | As for grade first Special of IS 435:1973 |
| ii) Coconut Oil | | As for refined grade of IS 542:1968 |
| iii) Ground nut oil | | As for refined grade of IS 544:1968 |
| iv) Sesame oil | | As for refined grade of IS 547:1968 |
| v) Mustard Oil | | As for grade 1 or Grade 2 of IS 546:1975 |
| b) Base Oil for Type 2 oils | 3.2.1.2 | As per IS 7299:1974 |
| c) Base oils for Type 3 oils | 3.2.1.3 | |
| i) Caster oil special, first and | | As per grades first commercial of IS 435:1973 |
| ii) Coconut oil | | As for refined and/ or raw grade of IS 542:1968 |

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--------------------|-------------|---|
| | iii) Groundnut oil | | As for refined and/ or raw grade of IS 544:1968 |
| | iv) Sesame oil | | As for refined and/ |

or raw grade of
IS 547 : 1968

v) Mustard oil

As for refined and/
or raw grade of
IS 546:1968

d) Dyes & colours

3.2.2

As for IS 4707 (Pt.1)
:1968

e) Other additions

3.2.3

As for IS 4707 (Pt.2)
:1973

3. Acid Value

3.3

a) For hair oils of
Type 1 & Type 3

1

b) For type 2 hair oils

½

PREPARATION OF TEST REPORT

½

TOTAL TIME :

3

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.150.00 Type 1 & 3, Rs.75/- type 2

The testing charges for ingredients (if separate samples received for testing) shall be levied as per the referred Indian Standard Specification.

Note: Revision of BIS testing charges as per IS 7123 is placed below:



BIS LABORATORY POLICY & PLANNING DEPTT

Our Ref: LPPD/52:2

25.05.2015

TESTING CHARGES FOR IS 7123:1993 - HAIR OILs

| SL. No. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|---------|-----------------------------|------------|---|
| 1 | Description | 4.1 | 0.5 |
| 2 | Ingredients | 4.2 | As per the respective Standard for Base Oil |
| 3 | Acid Value | 4.3 | 1.0 (For Tye 1 & 3) 0.5 (For type 2) |
| 4 | Microbiological Examination | 4.4 | 2.5 |
| 5 | Peroxide Value | 4.5 | 1 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | TOTAL TIME | 6.0 (For Type 1 & 3) 5.5 (For Type 2) |

| | |
|--|--|
| TESTING CHARGES FOR TYPE 1 OR 2(@ Rs. 300.00/- per Man-Hour) | Rs. 1800/- (For Type 1 & 3) Rs. 1650/- (For Type 2) |
| COST OF CRM | Rs. 500/- |
| COMPLETE TESTING CHARGES FOR THE PRODUCT (TYPE 1 OR 2) | Rs. 2300/- (For Type 1 & 3) Rs. 2150/- (For Type 2) |

DDGL may kindly approve.

Varsha Gupta

Head (LPPD)
DDG (Labs)

Sc-B

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1982 10 25

TESTING CHARGES FOR IS 7126:1973 PENITROTHION DUSTING POWDERS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-----------------------------------|-----------------|-----------|
| 1. | Description | 2.1 | ½ |
| 2. | Penitrothion content | i) of table 1 | 5 |
| 3. | Material Passing through sieve | ii) of table 1 | 1 |
| 4. | Bulk density | iii) of table 1 | ½ |
| 5. | Acidity/Alkalinity | iv) of table 1 | 1 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 9 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.675.00

APPROVED BY THE COMPETENT AUTHORITY.

| STANDARD | | | | | | | | | STANDARD No. |
|--|----------------------------|---|-----------------------------------|-------------------------|----------------------------------|---------------|------------------|-----------------------------------|--|
| Potassium Carbonate, Anhydrous | | | | | | | | | IS 7129:2021 |
| S.No | IS / Clause No. | Requirement / Characteristic | Manhour spent in testing in hours | Manhour cost of testing | Power consumption (if intensive) | Cost of power | Consumables cost | Total cost of Test for Pure Grade | Total cost of Test for Technical Grade |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | Cl .4.1 | Description | 0.5 | 150 | 0 | 0 | 0 | 150 | 150 |
| 2 | Cl.4.3/Table 1 | Total Alkalinity (as K ₂ CO ₃) % by mass | 2.0 | 600 | 0 | 0 | 150 | 750 | 750 |
| 3 | | Potassium bicarbonate (as KHCO ₃)/free Alkali (as KOH) % by mass | 2.0 | 600 | 0 | 0 | 100 | 700 | 700 |
| 4 | | Sulphates (as K ₂ SO ₄), percent by mass, | 2.0 | 600 | 15 | 135 | 100 | 835 | 835 |
| 5 | | Chloride (as KCl), percent by mass | 1.5 | 450 | 0 | 0 | 150 | 600 | 600 |
| 6 | | Matter insoluble in water, percent by mass | 2.0 | 600 | 2 | 18 | 0 | 618 | 618 |
| 7 | | Iron (as Fe), percent by mass, | 1.0 | 300 | 1 | 9 | 100 | 409 | 409 |
| 8 | | Heavy metals (as Pb), percent by mass, | 3.0 | 900 | 2 | 18 | 200 | 1118 | 0 |
| 9 | | Loss on heating at 150 °C, percent by mass | 2.0 | 600 | 2 | 18 | 0 | 618 | 618 |
| | | Sodium (as Na), percent by mass, | 2.0 | 600 | 1 | 9 | 100 | 709 | 709 |
| | | Calcium, percent by mass | 1.0 | 300 | 0 | 0 | 100 | 400 | 400 |
| 10 | Magnesium, percent by mass | 1.0 | 300 | 0 | 0 | 100 | 400 | 400 | |
| 11 | | Report preparation | 1.0 | 300 | 0 | 0 | 0 | 300 | 300 |
| | Total | | 21.0 | 6300.0 | 23.0 | 207.0 | 1100.0 | 7607.0 | 6489.0 |
| Total testing charges for the Pure Grade : Rs.7607/- | | | | | | | | | |
| Total testing charges for the Technical Grade : Rs.6489/- | | | | | | | | | |

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1985 0-7 22

TESTING CHARGES FOR IS 7131:1973 NITROPHOSPHATE BASED GRANULATED
FERTILIZERS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS | |
|----------------------------|---|---------------------|------------------|--------------------------------|
| | | | Grade 20-20-0 | Grade 15-15-15 & 18-18-0 |
| 1. | Particle size | 3.1 | 1 | 1 |
| 2. | Shape of Granules | 3.2 | ½ | ½ |
| 3. | Resistance to breakdown of granules | 3.3 | 1½ | 1½ |
| 4. | Lump formation | 3.4 | Factory test | |
| 5. | Total ammoniacal & nitrate nitrogen (as N) | 3.5 & i) of table 1 | 2½ | 2½ |
| 6. | Ammoniacal nitrogen (as N) | " ii) " | 2½ | 2½ |
| 7. | Total Phosphates (as P ₂ O ₅) | " iii) " | 2½ | 2½ |
| 8. | Water soluble phosphates (as P ₂ O ₅) | " iv) " | 3 | 3 |
| 9. | Literate soluble phosphates | " v) " | 3 | 3 |
| 10. | Potash content as (K ₂ O) | " vi) " | - | 4 |
| 11. | Moisture | " vii) " | 1 | 1 |
| 12. | Free acidity as (H ₂ SO ₄) | " viii) " | 1 | 1 |
| 13. | Calcium Nitrate | " ix) " | 3 | 3 |
| PREPARATION OF TEST REPORT | | | ½ | ½ |
| TOTAL TIME : | | | 22 | 26 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are as follows

| | |
|----------------|-------------|
| Grade 20-20-0 | Rs. 1650.00 |
| Grade 15-15-15 | Rs. 1950.00 |
| 18-18-0 | |

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1988 05 30

TESTING CHARGES FOR IS 7138:1973 STEEL TUBES FOR FURNITURE PURPOSES

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--------------------------------|-------------|-----------|
| 1. | Chemical requirements | 3.1 | |
| | Sulphur | | 2 |
| | Phosphorus | | 2 |
| 2. | Dimensions | 4.1 | 1 |
| 3. | Workmanship and heat treatment | 5 & 6 | 1 |
| 4. | Straightness and length | 7 & 8 | 1 |
| 5. | Tensile test | 9.1 | 2 |
| 6. | Bent Test | 9.2 | 1 |
| 7. | Drift test | 9.3.1 | 2 |
| | or | | |
| 8. | Flattening test | 9.3.2 | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 15 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1125.00

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 7142:1995 effective from 16-05-2018

BUREAU OF INDIAN STANDARDS

CENTRAL LABORATORY

(Quality Assurance Department)

Ref: CL/QA/Testing Charges/7142

31.10.2017

Based on the inputs received from testing section, the testing charges as per **IS 7142:1995 (Amnd-1)**

LOW CARBON STEEL CYLINDERS FOR LOW PRESSURE LIQUIFIABLE GASES NOT EXCEEDING 5 LITRE WATER CAPACITY - SPECIFICATION is as below:

| S. No. | Requirement/Characteristics | IS/Clause | Man-hours | Power (kWh) | Consumables (Rs.) | Remarks |
|--------|----------------------------------|------------|-----------|-------------|-------------------|---------|
| 47. | Material | Cl. 4 | * | - | - | - |
| 48. | Valves Pad | Cl. 9.1 | 0.5 | - | - | - |
| 49. | Fitting other than valve | Cl. 10 | 2.0 | - | - | - |
| 50. | Bung | Cl. 10.3 | 1.0 | - | - | - |
| 51. | Water Capacity | Cl. 13 | 2.0 | - | - | - |
| 52. | Proof test | Cl. 14 | 1.0 | 5 | - | - |
| 53. | Pneumatic Test | Cl. 15 | 1.0 | 3 | - | - |
| 54. | Bursting Test | Cl. 16 | 2.0 | 10 | - | - |
| 55. | Tensile Test (L pc) parent metal | Cl. 17.1.1 | 4.0 | 20 | - | - |
| 56. | Tensile Test (C pc) parent metal | Cl. 17.1.1 | 4.0 | 20 | - | - |
| 57. | Tensile Test (C pc) Weld joint | Cl. 17.1.1 | 4.0 | 20 | - | - |
| 58. | Bend Test (C pc) root and face | Cl. 17.1.2 | 2.0 | - | - | - |
| 59. | Macroscopic Examination (C pc) | Cl. 17.1.2 | 2.0 | - | - | - |
| 60. | Macroscopic Examination (neck) | Cl. 17.1.2 | 2.0 | - | - | - |
| 61. | Minimum Thickness | Cl. 17.1.3 | 1.0 | - | - | - |
| | Report Preparation | | 1 | - | - | - |
| | Total | | 29.5 | 78 | - | - |

*Testing charges for materials as per referred ISS.

Testing charges = 29.5 x 300 + 78 x 9 = Rs. 9552.00 + testing charges as per referred ISS.

OIC (QA)

Head (CL)

DDGL

As decided by Competent Authority, the testing charges for the product are Rs. 9552/- + testing charges as per referred ISS.

**(Ankita Tripathi)
Sc.B, LPPD**

HLPPD

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD

[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 03 19

TESTING CHARGES FOR IS 7142:1974 WELDED LOW CARBON STEEL GAS CYLINDERS FOR LOW PRESSURE LIQUIFIABLE GASES NOT EXCEEDING 5 LITERS WATER CAPACITY

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|----------------------------------|--------------------|--|
| 1. | Material | | |
| | a) Body, steel for | 3.1 | As per IS 6240:76 |
| | b) Valve pad or Bung | 3.2 | |
| | i) When welded | | As per IS 226:75 OR IS 1875:78 (Class I) OR As per IS 2073:70 (Grade C-20) OR As per IS 4855:1968 |
| | ii) When brazed | | As per IS 3438:66 OR IS 319 :68 OR IS 320 :62 |
| | iii) Cocking strip, (if used) | 3.3 | As per IS 226 : 69 or IS 2062 :62 |
| 2. | Manufacture | 5.2.1 ³ | $\frac{1}{2}$ |
| 3. | Water capacity | 5.2.3 ³ | |
| 4. | Valve connection | 5.4 5.5 | 1 $\frac{1}{2}$ |
| 5. | Fittings other than valves | 5.6 | 1 |
| 6. | Hydrostatic test | 8 | 2 |
| 7. | Preumatic leakage test | 9 | 1 $\frac{1}{2}$ |
| 8. | Bursting test | 10 | 2 |
| S NO | TESTS | CLAUSE REF. | MAN-HOURS |

| | | | |
|-----|--|----------|---------------------|
| 9. | Acceptance test | 11 | |
| | a) Tensile Test | 11.1 | 5 |
| | b) Bend test | 11.1.2 | 1 |
| | c) Macro Examination | 11.1.2.3 | 1 |
| | d) Min. Thickness test | 11.1.3 | 1 |
| 10. | Valves (for cylinders exceeding 500 ml water capacity) | 5.5.3 | As per IS 8776:1976 |
| 11. | Radiographic Examination (Whenever applicable) | | 8 |

PREPARATION OF TEST REPORT

½

TOTAL TIME :

25

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1875.00
(Excluding the raw material and valve testing)

Testing charges for raw material and valves shall be additional and as per the referred IS specification.

APPROVED BY THE COMPETENT AUTHORITY.

BIS,CENTRAL LABORATORY
(Electrical Lab)

Testing Charges for Mains Operated Electric Hair Dryers as per IS 7154:1994

| S. No. | Characteristics | Clause No. | Man-Hours | Electricity Power Consumed kW (Units) | Remarks |
|--------|--|------------|-----------|---------------------------------------|---------|
| 1. | Marking & Instructions | 8 | 1.5 | - | - |
| 2. | Protection against access to live parts | 9 | 0.25 | - | - |
| 3. | Power Input and Current | 9 | 0.5 | 1 | - |
| 4. | Heating | 9 | 1.0 | 4 | - |
| 5. | Leakage Current & Electric Strength at Operating Temperature | 9 | 0.5 | - | - |
| 6. | Moisture Resistance | 9 | 1.0 | 250 | - |
| 7. | Leakage Current & Electric Strength | 9 | 0.5 | - | - |
| 8. | Overload protection of transformers and associated circuits | 9 | 1.0 | 4 | - |
| 9. | Abnormal Operation | 9 | 2.0 | 6 | - |
| 10. | Stability & Mechanical Hazards | 9 | 0.5 | - | - |
| 11. | Mechanical Strength | 9 | 2.0 | 4 | - |
| 12. | Construction | 9 | 2.0 | - | - |
| 13. | Internal wiring | 9 | 1.5 | - | - |
| 14. | Components | 9 | 0.5 | - | - |
| 15. | Supply connection and External Flexible Cords | 9 | 3.0 | 30 | - |
| 16. | Terminals for External Conductors | 9 | 1.0 | - | - |
| 17. | Provision for Earthing | 9 | 1.0 | - | - |
| 18. | Screws and Connections | 9 | 1.0 | - | - |
| 19. | Clearance & Creepage Distance | 9 | 0.5 | - | - |
| 20. | Resistance to heat and fire | 9 | 3.0 | 6 | - |
| 21. | Resistance to rusting | 9 | 1.0 | 1 | - |
| 22. | Performance | 10 | NA | NA | * |
| 23. | Endurance | 11 | NA | NA | * |
| 24. | Finish | 12 | 0.25 | - | - |
| | PREPARATION OF REPORT | - | 2.0 | - | - |
| T | Total | | 27.5 | 306 | |

Test facility for the Performance test and Endurance test is presently not available in Central Laboratory.

Testing charges per man – hour are Rs.300 + Rs.9.00 per unit of electricity charges. Total Rs. 300 X 27.5 + 9 X 306 = Rs.11004.00
(Satyam Kumar Singh)

OIC (E)

HEAD (CL)

OIC(QA)

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 10 12

TESTING CHARGES FOR IS 7157:1987 PORTABLE PNEUMATIC GRINDING
MACHINES (FIRST REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-----------------------------------|-------------|--|
| 1. | Dimensional Requirements | 4 & table 1 | 5 |
| 2. | General Requirement | 6 | 2 |
| 3. | Tests | 7 | |
| | a) Measurement of air consumption | 7.1 | Testing facility not available at present CL |
| | b) Measurement of speed | 7.2 | 1 |
| | c) Measurement of pressure | 7.3 | 1 |
| | d) No load test | 7.4 | 2 |
| | e) Load Test | 7.5 | 2 |
| | f) Operation test | 7.6 | 1.5 |
| 4. | Marking & Packing | 8 & 9 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 16 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1200.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1986 06 25

TESTING CHARGES FOR IS 7164:1973 STOPPER

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|------------------------------------|---------------------|-----------|
| 1. | Form and condition | 3.1 | ½ |
| 2. | Lead restriction | 3.3 | 2 |
| 3. | Consistency | 3.4 & i) of table 1 | ½ |
| 4. | Volatile matter | ii) of table 1 | 1 |
| 5. | Drying time | iii) " | |
| | a) For nitrocellulose system | | 1½ |
| | b) For air drying synthetic system | | 1½ |
| | c) For synthetic staving system | | 2½ |
| 6. | Suitability for rubbing down | iv) " | |
| | a) For nitrocellulose system | | 2 |
| | b) For air drying synthetic system | | 2 |
| | c) For synthetic staving system | | 2½ |
| 7. | Durability | | |
| | a) Normal outdoor exposure | 3.5.1 | 6 |
| | b) Accelerated weathering | 3.5.2 | 8 |
| | PREPARATION OF TEST REPORT | | ½ |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are as follows :

| | |
|---------------------------------|------------|
| For nitrocellulose system | Rs.1650.00 |
| For air drying synthetic system | Rs.1650.00 |

For synthetic staving system

Rs.1800.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref:CL/QA/14:0

2002 01 04

TESTING CHARGES FOR IS 7180:1973 DISPOSABLE ARTIFICIAL INSEMINATION GLOVES

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|-----------------------------|------------|-----------|
| 1. | Material | 2.1 | * |
| 2. | Dimensions | 3.1 | 2 |
| 3. | Thickness | 3.2 | 1 |
| 4. | Appearance | 4.1 | 1 |
| 5. | Tensile strength ** | 5.1 | 2 |
| 6. | Elongation at break ** | 6.1 | 2 |
| 7. | Density ** | 7.1 | 3 |
| 8. | Colour | 8.1 | 0.5 |
| 9. | Reaction to aqueous extract | 9.1 | 1.5 |
| 10. | Seam test | 12.18.01 | 1 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | TOTAL TIME | 15 |

Testing charges per man-hour are Rs. 75.00. Hence complete testing charges for the product are Rs.1125.00

- Material shall be tested as per IS 2508 & testing charges leived accordingly.
- ** Testing facility not available at CL at present.

DG may kindly approve.

(V.K. Sethi)
TS(QA)

D&H(QA)
DDGL
ADGT
DG

The revised BIS testing charges for IS 7181:1986 effective from 23-08-2016

LABORATORY POLICY AND PLANNING DEPTT

OUR REF : LPPD/51:1

11.03.2016

TESTING CHARGES FOR IS 7181:1986 HORIZONTALLY CAST IRON DOUBLE
FLANGED PIPES FOR WATER GAS AND SEWAGE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|--|-------------|-----------|
| 1. | Manufacture | 3 | 4 |
| 2. | Mechanical Tests (Tensile & Hardness Tests) | 5 | 8 |
| 3. | Hydraulic test | 6 | 2 |
| 4. | Sizes & Mass | 7 | 4 |
| 5. | Deviation from a straight line | 8.5 | ½ |
| 6. | Coating | 9 | 2 |
| 7. | Marking | 10 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 22 |

Testing charges per man-hour are Rs. 300.00.

Hence complete testing charges for the product are : **Rs.6600.00**

DDGL may kindly approve the above testing charges.

(Anurita Jojo)
Sc.C, LPPD

Head, LPPD

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1993 04 28

TESTING CHARGES FOR IS 7181:1986 HORIZONTALLY CAST IRON DOUBLE
FLANGED PIPES FOR WATER GAS AND SEWAGE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|-------------|-----------|
| 1. | Manufacture | 3 | 4 |
| 2. | Mechanical Tests (Tensile & Hardness Tests) | 5 | 8 |
| 3. | Hydraulic test | 6 | 2 |
| 4. | Sizes & Mass | 7 | 4 |
| 5. | Deviation from a straight line | 8.5 | ½ |
| 6. | Coating | 9 | 2 |
| 7. | Marking | 10 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 22 |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.1600.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY
(Q.A. DEPARTMENT)

Our Ref: Lab/14.0

1998 03 26

TESTING CHARGES FOR IS 7193: 1994 GLASS FIBRE BASE BITUMEN FELTS

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|----------------------------------|--------------------------|----------------------|
| 1. | i) Materials & Base Membrane | 4 | |
| | a) Weight | 4.1 Table 1 Sr. No. 1 | 1 |
| | b) Nom. Thickness | 4.1 Table 1 Sr. No. 2 | 1 * |
| | c) Breaking strength | 4.1 Table 1 Sr. No. 3 | 3 |
| | d) Tear Strength | 4.1 Table 1 Annex C-4 | 2 |
| | e) Porosity | 4.2 Table 1 Sr. No. 4 | 2 * |
| | g) Temp. Resistance | 4.1 Table 1 Sr. No. 5 | 1 * |
| | ii) Bitumen | | |
| | a) Softening point | 4.2 | 2 |
| | b) Penetration | 4.2 | 2 * |
| | c) Proportion | 4.2 | 2 |
| | iii) Mineral Filter | 4.3 | 1 |
| | iv) Mineral Powder for Surfacing | 4.4 & 4.4.1 | 1.5 |
| 2. | Dimensions & Weight | 6.1 & 6.2 | 2 |
| 3. | Breaking Strength | 7.1 & Table 3 | 2 |
| 4. | Pliability test | 7.1 & Table 3 | 2.5 |
| 5. | Storage sticking | 7.1 & Table 3 | 2 |
| 6. | Pressure Head | 7.1 & Table 3 | 2.5 |
| 7. | Heating resistance | 7.1 & Table 3 | 2 |
| 8. | Water Absorption | 7.1 & Table 3 | 2 |
| - 2 - | | | |
| | PREPARATION OF TEST REPORT | | 1 |
| | TOTAL TIME | | ----- 35 ----- |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are Rs.2625.00.

* Testing facilities for these tests are not available at Central Lab presently.

DDGL may kindly approve.

(V.K.Sethi)
TS (QA)

DCL(QA)
DDGL
TS(QA)

The revised BIS testing charges for IS 7224:2006 effective from 07-11-2016

**BIS CENTRAL LABORATORY, SAHIBABAD
[CHEMICAL DEPARTMENT]**

| IS NO. | Part | Sec | Year | Title | Variety (Grade/Type /Size) | Cl. ref. of IS | Requirement | Time*(Hours) | | Power KWH consumption (if intensive) | | Consumable | |
|--------|------|-----|---------------|---|----------------------------|-------------------------------|--|--------------|--------------|---|--------------|---|--------------|
| 7224 | | | 2006 | Iodized salt, Vacuum evaporated iodized salt and Refined iodized salt | | | Refined iodized salt/ vacuum evaporated iodized salt | | Iodized salt | Refined iodized salt / vacuum evaporated Iodized salt | Iodized salt | Refined iodized salt / Vacuum Evaporated Iodized Salt | Iodized salt |
| | | | Amend . no. 2 | | | | | | | | | | |
| | | | | | | Cl.4.1.1/ cl.4.1.2./ Cl.4.1.3 | Description | 0.5 | 0.5 | - | - | - | - |
| | | | | | | Cl.4.2 | Particle Size | 0.5 | 0.25 | | - | - | - |
| | | | | | | Cl 4.4 | Potassium ferrocyanide or sodium ferrocyanide expressed as $K_4Fe(CN)_6$ | 1 | 1 | 6 | 6 | 50 | 50 |
| | | | | | | Cl4.3 Table1 | i)Moisture | 1 | 1 | 6 | 6 | - | - |
| | | | | | | | ii) Water insoluble matter, | 2 | 2 | 4 | 4 | - | - |
| | | | | | | -do- | iii) Chloride content (as NaCl) | 1 | 5 | - | 17 | 150 | 275 |
| | | | | | | -do- | iv) Matter soluble in water, other than sodium chloride | 1 | 1 | - | - | - | - |
| | | | | | | -do- | v) calcium (as Ca), | 1 | - | 1 | - | 50 | - |
| | | | | | | -do- | vi)Magnesium (as Mg), | 1 | - | 1 | - | 50 | - |
| | | | | | | -do- | vii) (Sulphates as SO_4), | 2 | - | 15 | - | 25 | - |
| | | | | | | -do- | viii) Iodine content | 2 | 2 | - | - | 50 | 50 |
| | | | | | | -do- | ix) Alkalinity (as Na_2CO_3) | 1 | 1 | - | - | 25 | 25 |
| | | | | | | -do- | x) Lead (as Pb) | 3 | 3 | 30 | 30 | 150 | 150 |
| | | | | | | -do- | xi) Arsenic (as As) | 2 | 2 | 1 | 1 | 50 | 50 |
| | | | | | | -do- | xii) Iron (as Fe) | 1 | 1 | - | - | - | - |
| | | | | | | | Report Preparation | 1 | 1 | - | - | - | - |
| | | | | | | | Total | 21 | 20.75 | 64 | 64 | 600 | 600 |

Testing charges per man-hour=Rs 300

Power consumption per unit =Rs 9

Total testing charges for Refined Iodized salt/ vacuum Evaporated Iodized salt = $21 \times 300 + 64 \times 9 + 600 = Rs 7476/-$

Total testing charges for Iodized salt = $20.75 \times 300 + 64 \times 9 + 600 = Rs 7401/-$

CA may kindly approve.

Rajendra K.Palsania
LO-B

OIC (Chem)

As decided by Competent Authority, in order to keep the uniformity of testing charges for different Types, the testing charges(taken as average of all types) is Rs.7440.00 (for Both Refined Iodized Salt/ Vacuum Evaporated Iodized Salt and Iodized Salt).

(P. Rajesh)
Sc.E, LPPD

Head, LPPD
DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref:CL/QA/14:0

2001-08-08

TESTING CHARGES FOR IS7224:1985 (Reaffirmed 1990) IODIZED SALT

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|---|--------------|-----------|
| 1. | Description | 2.1 | 0.5 |
| 2. | Moisture | 2.2 | 2 |
| 3. | Particle size | 2.3 | 0.5 |
| 4. | | 2.4, Table 1 | |
| | i) Water Insoluble | Sr.No. (i) | 2 |
| | ii) Chloride content | Sr.No. (ii) | 5 |
| | iii) Matter Insoluble in water other than sodium chloride | Sr.No. (iii) | 0.5 |
| | iv) Iodine content | Sr.No. (iv) | 2 |
| | PREPARATION OF TEST REPORT | | 0.5 |
| | | | ---- |
| | TOTAL TIME | | 13 |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.975.00

DG may kindly approve.

(V.K. Sethi)
TS(QA)

D&H(QA)
DDGL
ADGT
DG

The revised BIS testing charges for IS 7231:1994 effective from 15-05-2016

LABORATORY POLICY AND PLANNING DEPTT

Our Ref: LPPD/51:1

11.03.2016

TESTING CHARGES FOR PLASTIC FLUSHING CISTERN AS PER IS 7231:1994

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material |
|------------------------|--|------------|------------------------------|--------------------------------------|--|
| where- ever applicable | | | | | |
| A. | TEST PARAMETERS | | | | |
| 1. | Construction | 5 | | | |
| | a) Cistern | 5.1 | 1 | | |
| | b) Cover | 5.2 | 0.5 | | |
| | c) Flush pipe | 5.3 | 1 | | |
| | d) Flushpipe connection to cistern | 5.3.1 | 1 | | |
| | e) Inlet & overflow holes | 5.4 | 0.5 | | |
| | f) Float valve | 5.5 | As per IS 1703, 12234, 13049 | | |
| | g) Operating mechanism lever | 5.6 | 0.5 | | |
| | h) String | 5.7 | 0.5 | | |
| | i) Over flow pipe | 5.8 | 1 | | |
| 2. | Finish | 6 | 0.5 | | |
| 3. | Operational and performance requirements | 7 | | | |
| | a) Flushing arrangement | 7.1 | 0.5 | | |
| | b) Working water level | 7.2 | 1 | | |
| | c) Freedom from self siphonage | 7.3 | 1 | | |
| | d) Reduced water level | 7.4 | 2 | | |
| | e) Discharge capacity | 7.5 | 2 | | |
| | f) Discharge rate | 7.6 | 2 | | |
| | g) Distortion resistance test | 8.1 | 2 | | |
| | h) Dead load test | 8.2 | 2 | | |
| | i) Front thrust test | 8.3 | 2 | | |
| | j) Impact test | 8.4 | 2 | | |
| 4. | Endurance test | 9.3 | 3 | | |
| | PREPARATION OF TEST REPORT | | 1 | | |
| | TOTAL | TIME | 27 | | |

Testing charges per man-hour are Rs.300.00. Hence complete testing charges for the products is:

Total Rs.27x300= Rs.8100.00

DDGL may kindly approve the above testing charges.

AnuritaJojo
Sc-C, LPPD

Head (LPPD)

DDG (Labs)

Please Refer to Revised Testing Charges mentioned above

**BIS CENTRAL LABORATORY
(Q.A. Department)**

Our Ref:CL/QA/79

20 March 2006

TESTING CHARGES FOR PLASTIC FLUSHING CISTERN AS PER IS 7231:1994

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- ever applicable |
|---------|--|-------------|------------------------------|--------------------------------------|---|
| A. | TEST PARAMETERS | | | | |
| 1. | Construction | 5 | | | |
| | a) Cistern | 5.1 | 1 | | |
| | b) Cover | 5.2 | 0.5 | | |
| | c) Flush pipe | 5.3 | 1 | | |
| | d) Flushpipe connection to cistern | 5.3.1 | 1 | | |
| | e) Inlet & overflow holes | 5.4 | 0.5 | | |
| | f) Float valve | 5.5 | As per IS 1703, 12234, 13049 | | |
| | g) Operating mechanism lever | 5.6 | 0.5 | | |
| | h) String | 5.7 | 0.5 | | |
| | i) Over flow pipe | 5.8 | 1 | | |
| 2. | Finish | 6 | 0.5 | | |
| 3. | Operational and performance requirements | 7 | | | |
| | a) Flushing arrangement | 7.1 | 0.5 | | |
| | b) Working water level | 7.2 | 1 | | |
| | c) Freedom from self siphonage | 7.3 | 1 | | |
| | d) Reduced water level | 7.4 | 2 | | |
| | e) Discharge capacity | 7.5 | 2 | | |
| | f) Discharge rate | 7.6 | 2 | | |
| | g) Distortion resistance test | 8.1 | 2 | | |
| | h) Dead load test | 8.2 | 2 | | |
| | i) Front thrust test | 8.3 | 2 | | |
| | j) Impact test | 8.4 | 2 | | |
| 4. | Endurance test | 9.3 | 3 | | |
| | PREPARATION OF TEST REPORT | | 1 | | |
| | TOTAL | TIME | 27 | | |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the products is:

Total Rs.27x75= Rs.2025.00

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(K.S. Arya)
STA(QA)

D&H(QA)
DDGL

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1992 03 24

TESTING CHARGES FOR IS 7233:1991-2,4-D ETHYLESTER TECHNICAL.

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|--|---------------------|
| 1. | Description & Marking | 3.1 & 5 | ½ |
| 2. | Identity Test | 3.3 | 2 |
| 3. | Packing | 4 | As per relevant ISS |
| 4. | Total extractable 2,4-D content, percent by mass | ³ ³ ³ | 4 |
| 5. | Free 2,4-D content, percent by mass | ³ ³ | 1 |
| 6. | 2,4-D ethyl ester content and water content | ³ 3.2 & ³ Table 1 ³ | ½ |
| 7. | Melting point of extracted acid | ³ ³ ³ | 4 |
| 8. | Suspended solids | ³ | 1½ |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 14 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.1050.00

APPROVED BY THE COMPETENT AUTHORITY.

REVISED TESTING CHARGES IS PLACED BELOW:

BIS LABORATORY POLICY & PLANNING DEPTT

TESTING CHARGES FOR IS 7233:1991 – 2,4-D ETHYL ESTER TECHNICAL

| SL. No. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|---------|---------------------------------|----------------------|-----------|
| 1 | Description | 3.1 | 0.5 |
| 2 | Identity Test | 3.3 | 2 |
| 3 | Total Extractable 2,4-D Content | 3.2, i) of table 1 | 2.5 |
| 4 | Free 2,4-D Content | 3.2, ii) of table 1 | 1 |
| 5 | 2,4-D Ethyl Ester Content | 3.2, iii) of table 1 | 0.5 |
| 6 | Melting Point of Extracted acid | 3.2, iv) of table 1 | 3 |
| 7 | Water Content | 3.2, v) of table 1 | 1 |
| 8 | Suspended Solids Content | 3.2, vi) of table 1 | 1 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | | 12.5 |

| | |
|---|------------|
| TESTING CHARGES (@ Rs. 300.00/- per Man-Hour) | Rs. 3750/- |
| COST OF CRM | Rs. 200/- |
| COMPLETE TESTING CHARGES FOR THE PRODUCT | Rs. 3950/- |

DDGL may kindly approve.

Varsha Gupta
Sc-B

Head (LPPD)

DDG (Labs)

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1986 04 21

TESTING CHARGES FOR IS7260:1974 ETHYL ESTER OF BETA-APO-8
CAROTENOIC ACID, FOOD GRADE

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-----------------------------------|---------------------|-----------|
| 1. | Physical description & packing | 2.1 & 3.1 | ½ |
| 2. | Solubility | 2.2 | ½ |
| 3. | Identification | | |
| | a) Melting range | 2.3.1 | 1 |
| | b) Absorbance ratio | 2.3.2 | 1 |
| | c) Colour changes in solutions | 2.3.3 & 2.3.4 | 1 |
| 4. | Purity | 2.4 & i) of table 1 | 2 |
| 5. | Sulphated ash | " ii) " | 1½ |
| 6. | Arsenic (as As) | " iii) " | 2 |
| 7. | Lead (as Pb) | " iv) " | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 12 |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.900.00

APPROVED BY THE COMPETENT AUTHORITY

The BIS testing charges for IS 7283:1992 effective from 12-02-2018

BIS NROL Mohali

Our Ref :NROL/7283

20 Sept 2017

DRAFT PROPOSAL FOR MECHANICAL TESTING CHARGES FOR HOT-ROLLED BARS AND RODS FOR THE PRODUCTION OF BRIGHT BARS AND MACHINED PARTS FOR ENGINEERING APPLICATIONS — SPECIFICATION AS PER IS 7283:1992

| Sl.No. | Characteristics | Clause No. | Man-hours | Electricity power consumed | | Cost of consumables including reference material wherever applicable | Total charges for each test |
|--------|-----------------------------------|------------|--------------------------------|----------------------------|------------|--|-----------------------------|
| | | | | Kwh | Cost @ 9/- | | |
| | | | @ 300/- | | | | |
| | A. TEST PARAMETERS | | | | | | |
| 1. | MATERIAL | 5 | As per respective ISS | | | | |
| 2. | FREEDOM FROM DEFECTS | 6 | 2.0 | - | - | - | 600.00 |
| 3. | DIMENSIONS AND TOLERANCES | 7 | 2.0 | - | - | - | 600.00 |
| 4. | DECARBURIZATION | 8 | Facility not available at NROL | | | | |
| 5. | INCLUSION RATING | 9 | -do- | | | | |
| 6. | HARDENABILITY | 10 | -do- | | | | |
| 7. | GRAIN SIZE | 9 | -do- | | | | |
| 8. | PREPARATION OF TEST REPORT | | 1.0 | 300.00 | | | |
| | TOTAL | | 5.0 | - | - | - | 1500.00 |

Testing charges per man-hour are Rs.300.00. Hence testing charges for the product for facilities available are:

Total Rs. $5.0 \times 300 = \text{Rs.}1500.00$ Plus materials as per respective ISS (excluding decarburization, inclusion rating, hardenability and grain size)

(Gurmukh Singh)
LO-B

OIC (M)
HNROL
HLPPD

As decided by Competent Authority, the testing charges for the product are Rs 1500/- + Materials as per respective ISS Excluding Decarburization, Inclusion Rating, Hardenability and Grain Size

(Ankita Tripathi)
Sc.B, LPPD

HLPPD

DDG (Labs)

OUR REF : LAB/14:0

1990 08 23

TESTING CHARGES FOR IS 7285:1988 SEAMLESS MANGANESE STEEL
CYLINDERS FOR PERMANENT & HIGH PRESSURE LIQUIFIABLE GASES
(SECOND REVISION)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|--------------|--|
| 1. | Raw material | 3 | |
| | a) Chemical composition | 3.2, Table 1 | |
| | i) Carbon | | 1 |
| | ii) Manganese | | 2½ |
| | iii) Silicon | | 2½ |
| | iv) Phosphorus | | 2 |
| | v) Sulphur | | 2 |
| | vi) Nickel | | 2½ |
| | vii) Moly | | 2 |
| | viii) Chromium | | 2½ |
| | b) Tensile test | 3.3, Table 2 | 2 |
| | c) Surface defects | 3.1.3 | ½ |
| 2. | Manufacture (Thickness, circularity, Water Capacity, Surface defects, etc.) | 5 | 1½ |
| 3. | Hydrostatic Stretch Test | 8 | Testing facility not available at CL. |
| 4. | Leakage Test | 9 | -do- |
| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
| 5. | Bursting Test | 10 | -do- |
| 6. | Value connection | 7.1 | ½ |

| | | | |
|-----|--------------------------|--------|---------------------------------------|
| 7. | Valve | 7.1 | As per IS 3224:1979 |
| 8. | Tensile test | 11.1.1 | 3 |
| 9. | Bend test (4 pcs.) | 11.1.2 | 4 |
| 10. | Impact test (6 pcs.) | 11.1.3 | 6 |
| 11. | Depth of folding at neck | 11.1.4 | Testing facility not available at CL. |

PREPARATION OF TEST REPORT

$\frac{1}{2}$

| | |
|--------------|-------|
| TOTAL TIME : | ----- |
| | 35 |
| | ----- |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product excluding tests at
Sl.No.3, 4, 5 & 12 are : Rs.2625.00

APPROVED BY THE COMPETENT AUTHORITY.

The BIS testing charges for IS 7285 (P-1):2004 effective from 12-02-2018

**BUREAU OF INDIAN STANDARDS
CENTRAL LABORATORY
(Quality Assurance Department)**

Ref: CL/QA/Testing Charges/7285-1

29.11.2017

Based on the inputs received from testing section, the testing charges as per **IS 7285 (Part-1):2004 (Amnd-3)**

REFILLABLE SEAMLESS STEEL GAS CYLINDERS - PART 1: NORMALIZED STEEL CYLINDERS is as below:

| S. No. | Requirement/Characteristics | IS/Clause | Man-hours | Power (kWh) | Consumables (Rs.) | Remarks |
|--------|-----------------------------|-----------------|-----------|-------------|-------------------|---------|
| 62. | Material | Cl. 5 & Table-1 | * | - | - | - |
| | a. Carbon | Cl. 5 & Table-1 | 2 | 6 | 50.00 | - |
| | b. Sulphur | Cl. 5 & Table-1 | 2 | 6 | 50.00 | - |
| | c. Phosphorus | Cl. 5 & Table-1 | 3 | 6 | 50.00 | - |
| | d. Manganese | Cl. 5 & Table-1 | 3 | 6 | 50.00 | - |
| | e. Silicon | Cl. 5 & Table-1 | 3 | 6 | 50.00 | - |
| | f. Nickel | Cl. 5 & Table-1 | 3 | 6 | 50.00 | - |
| | g. Chromium | Cl. 5 & Table-1 | 3 | 6 | 50.00 | - |
| | h. Vanadium | Cl. 5 & Table-1 | 3 | 6 | 50.00 | - |
| | i. Copper | Cl. 5 & Table-1 | 3 | 6 | 50.00 | - |
| | j. Niobium | Cl. 5 & Table-1 | 3 | 6 | 50.00 | - |
| | k. Titanium | Cl. 5 & Table-1 | 3 | 6 | 50.00 | - |
| | l. Boron | Cl. 5 & Table-1 | 3 | 6 | 50.00 | - |
| | m. Zirconium | Cl. 5 & Table-1 | 3 | 6 | 50.00 | - |
| | n. Tin | Cl. 5 & Table-1 | 3 | 6 | 50.00 | - |
| | o. Sulphur + Phosphorous | Cl. 5 & Table-1 | 0.5 | - | - | - |
| 63. | Valve fittings | Cl. 6.5.3 | 1 | - | - | - |
| 64. | Foot Ring | Cl. 6.6 | 1 | - | - | - |
| 65. | Neck Ring | Cl. 6.7 | 2 | - | - | - |
| 66. | Wall Thickness | Cl. 7.2 | 1 | - | - | - |
| 67. | Surface Defects | Cl. 7.3 | 1 | - | - | - |
| 68. | Out of roundness | Cl. 7.4 | ** | - | - | - |
| 69. | Mean Diameter | Cl. 7.5 | ** | - | - | - |
| 70. | Straightness | Cl. 7.6 | ** | - | - | - |
| 71. | Verticality | Cl. 7.7 | ** | - | - | - |
| 72. | Stability | Cl. 7.8 | ** | - | - | - |
| 73. | Water Capacity | Cl. 7.9 | 2 | - | - | - |
| 74. | Hydraulic Burst Test | Cl. 9.2.3 | ** | - | - | - |
| 75. | Pressure Cycling Test | Cl. 9.2.4 | ** | - | - | - |
| 76. | Tensile Test | Cl. 10.2.1 | 4 | 20 | - | - |
| 77. | Impact (Charpy) Test | Cl. 10.3 | 4 | 20 | - | - |
| 78. | Bend Test | Cl. 10.4.1 | 4 | 20 | - | - |
| 79. | Flattening Test | Cl. 10.4.2 | ** | - | - | - |

| | | | | | | |
|-----|--------------------------|------------|------|-----|--------|---|
| 80. | Ring Flattening Test | Cl. 10.4.3 | 2 | - | - | - |
| 81. | Proof Pressure Test | Cl. 11.2.1 | 4 | 10 | - | - |
| 82. | Hydrostatic Stretch Test | Cl. 11.2.2 | ** | - | - | - |
| 83. | Hardness Test | Cl. 11.3 | 2 | 10 | - | - |
| 84. | Leakage Test | Cl. 11.4 | ** | - | - | - |
| | Report Preparation | | 2 | | | |
| | Total | | 70.5 | 164 | 700.00 | - |

*Testing charges for each of the elements other than Table-1 = Rs.1004.00.

**Test Facility not available at CL.

Testing charges = $70.5 \times 300 + 164 \times 9 + 700.00 = \text{Rs. } 23326.00$.

OIC (QA)

Head (CL)

DDGL

As decided by Competent Authority, the testing charges for the product are Rs 23330/- excluding Out of roundness, Mean diameter, Straightness, Verticality, Stability, Hydraulic Burst Test, Pressure Cycling Test, Flattening Test, Hydrostatic Stretch Test and Leakage Test. For elements other than Table-1: Rs 1004/- per element

**(Ankita Tripathi)
Sc.B, LPPD**

HLPPD

DDG (Labs)

The BIS testing charges for IS 7285 (P-2):2004 effective from 12-02-2018

BUREAU OF INDIAN STANDARDS

CENTRAL LABORATORY

(Quality Assurance Department)

Ref: CL/QA/Testing Charges/7285-2

13.10.2017

Based on the inputs received from testing section, the testing charges as per **IS 7285 (Part-2):2004 (Amnd-3)**

REFILLABLE SEAMLESS STEEL GAS CYLINDER – PART 2: QUENCHED AND TEMPERED STEEL CYLINDERS WITH TENSILE STRENGTH LESS THAN 1100 MPa (112 kgf/mm²) is as below:

| S. No. | Requirement/Characteristics | IS/Clause | Man-hours | Power (kWh) | Consumables | Remarks |
|--------|-----------------------------|--------------------|-----------|-------------|-------------|---------|
| 85. | Material | Cl. 5 | * | - | - | - |
| 86. | Valve fittings | Cl. 6.6.3 | 1 | - | - | - |
| 87. | Foot Ring | Cl. 6.7 | 1 | - | - | - |
| 88. | Neck Ring | Cl. 6.8 | 2 | - | - | - |
| 89. | Wall Thickness | Cl. 7.2 | 1 | - | - | - |
| 90. | Surface Defects | Cl. 7.3 | 1 | - | - | - |
| 91. | Ultrasonic Examination | Cl. 7.4 | ** | - | - | - |
| 92. | Out of roundness | Cl. 7.5 | ** | - | - | - |
| 93. | Mean Diameter | Cl. 7.6 | ** | - | - | - |
| 94. | Straightness | Cl. 7.7 | ** | - | - | - |
| 95. | Verticality | Cl. 7.8 | ** | - | - | - |
| 96. | Stability | Cl. 7.9 | ** | - | - | - |
| 97. | Water Capacity | Cl. 7.11 & 11.5 | 2 | - | - | - |
| 98. | Pressure Cycling Test | Cl. 9.2.3 | ** | - | - | - |
| 99. | Tensile Test | Cl. 10.2.1 | 4 | 20 | - | - |
| 100. | Impact (Charpy) Test | Cl. 10.3 | 4 | 20 | - | - |
| 101. | Bend Test | Cl. 10.4 | 4 | 20 | - | - |
| 102. | Hydraulic Burst Test | Cl. 10.5 | ** | - | - | - |
| 103. | Proof Pressure Test | Cl. 11.2.1 | 4 | 10 | - | - |
| 104. | Hydrostatic Stretch Test | Cl. 11.2.2 | ** | - | - | - |
| 105. | Hardness Test | Cl. 11.3 | 2 | 10 | - | - |
| 106. | Leakage Test | Cl. 11.4 | ** | - | - | - |
| | Report Preparation | | 1 | | | |
| | Total | | 27 | 80 | - | - |

*Testing charges for Material as per relevant ISS.

**Test Facility not available at CL.

Testing charges = 27 x 300 + 80 x 9 = Rs. 8820.00 + testing charges as per relevant ISS.

OIC (QA)

Head (CL)

DDGL

As decided by Competent Authority, the testing charges for the product are Rs 15550/- excluding Ultrasonic examination, Out of roundness, mean diameter, Straightness, Verticality, Stability, Pressure Cycling test, Hydraulic Burst test, Hydrostatic Stretch test and Leakage test

For elements other than Table-3: Rs 1004/- per element

**(Ankita Tripathi)
Sc.B, LPPD**

HLPPD

DDG (Labs)

BIS LABORATORY POLICY & PLANNING DEPTT

Our Ref: LPPD/52:2

25.05.2015

TESTING CHARGES FOR IS 7299:1974 - MINERAL OIL FOR COSMETIC INDUSTRY

| SL. No. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|----------------|------------------------------|-------------------------------|------------------|
| 1 | Description | 3.1 | 0.5 |
| 2 | Colour | 3.2 | 0.5 |
| 3 | Cloud Point | 3.3, (i) of Table 1 | 0.5 |
| 4 | Odour | 3.3, (ii), a) & b) of Table 1 | 1 |
| 5 | Viscosity | 3.3, (iii) of Table 1 | 2 |
| 6 | Relative Density | 3.3, (iv) of Table 1 | 0.5 |
| 7 | Free Acid and Alkali | 3.3, (v) of Table 1 | 0.5 |
| 8 | Saponification Value | 3.3, (vi) of Table 1 | 2 |
| 9 | Sulphur and Sulphides | 3.3, (vii) of Table 1 | 0.5 |
| 10 | Carbonizable Substances | 3.3, (viii) of Table 1 | 1.5 |
| 11 | Ash | 3.3, (ix) of Table 1 | 1 |
| 12 | Arsenic | 3.3, (x) of Table 1 | 2 |
| 13 | Lead | 3.3, (xi) of Table 1 | 2 |
| 14 | Ultra Violet Absorption Test | 3.3, (xii) of Table 1 | 1.5 |
| 15 | Stability Test | 3.3, (xii) of Table 1 | 0.5 |
| | PREPARATION OF TEST REPORT | | 1 |
| | | TOTAL TIME | 17.5 |

TESTING CHARGES (@ Rs. 300.00/- per Man-Hour)

Rs. 5250/-

COST OF CONSUMABLE

Rs. 500/-

COMPLETE TESTING CHARGES FOR THE PRODUCT

Rs. 5750/-

DDGL may kindly approve.

Varsha Gupta
Sc.-B

Head (LPPD)

DDG (Labs)

The revised BIS testing charges for IS 7312:1993 effective from 24-03-2017

**BIS CENTRAL LABORATORY, SAHIBABAD
[CHEMICAL DEPARTMENT]**

TESTING CHARGES FOR IS 7312:1993, Amnd-3
Welded and seamless steel dissolved acetylene gas cylinders

| SI.No. | Characteristics | Clause no. | Man- Hours | Electricity Power Consumed kwh | Cost of Consumable including reference material wherever applicable |
|--------|---------------------|------------|---------------------|---|--|
| 1. | Material | 4 | As per relevant ISS | | |
| 2. | Seamless cylinder | 6.2.3 | As per relevant ISS | | |
| 3. | Valves & Valves pad | 9.1 | As per relevant ISS | | |

Remarks: Testing charges for the material shall be levied as per relevant ISS referred.

CA may kindly approve.

**RakeshMeena
LO-B**

OIC (Chem)

Head, CL

MECHANICAL TESTING CHARGES**Testing charges for IS 7312:1993**

| S. no. | IS/ Clause no. | Requirement/ Characteristic | Man hours spent in testing (h) | Man hour cost of testing | Power consumption (If intensive) kw | Cost of power | Consumable cost (If significant) | Total cost |
|--------|----------------|------------------------------------|--------------------------------|--------------------------|-------------------------------------|---------------|----------------------------------|------------|
| 1 | 4 | Material | 0.00 | 0.00 | | | 0 | |
| 2 | 8 | Manufacture | 2.00 | | | | | |
| 3 | 9.1 | Valves Pad | 0.50 | 150.00 | | | 0 | |
| 4 | 9.2 | Valves protection | 0.50 | 150.00 | | | 0 | |
| 5 | 10 | Fitting other than valves | 2.00 | 600.00 | | | 0 | |
| 6 | 13 | Radiographic examination | 0.00 | 0.00 | | | 0 | |
| 7 | 14 | Water capacity | 1.50 | 450.00 | | | 0 | |
| 8 | 15.1 | Hydrostatic Stretch test | 0.00 | 0.00 | 0 | | 0 | |
| 9 | 15.2 | Hydrostatic test | 2.00 | 600.00 | 5 | | 45 | |
| 10 | 16 | Pneumatic test | 0.00 | 0.00 | 0 | | 0 | |
| 11 | 17 | Bursting test | 2.00 | 600.00 | 10 | | 90 | |
| 12 | 18.1.1 | Tensile (L pc) Parent metal | 4.00 | 1200.00 | 20 | | 180 | |
| 13 | | Tensile (C pc) Parent metal | 4.00 | 1200.00 | 20 | | 180 | |
| 14 | | Tensile (B pc) Parent metal | 4.00 | 1200.00 | 20 | | 180 | |
| 15 | | Tensile strength (L pc) Weld joint | 4.00 | 1200.00 | 20 | | 180 | |
| 16 | | Tensile strength (C pc) Weld joint | 4.00 | 1200.00 | 20 | | 180 | |
| 17 | 18.1.3 | Bend test (L pc) root+face | 2.00 | 600.00 | | | 0 | |
| 18 | | Bend test (C pc)root+face | 2.00 | 600.00 | | | 0 | |
| 19 | 18.1.4 | Macro examination (L pc) | 1.00 | 300.00 | | | 0 | |
| 20 | | Macro examination (C pc) | 1.00 | 300.00 | | | 0 | |
| 21 | | Macro examination (Neck) | 1.00 | 300.00 | | | 0 | |
| 22 | 18.1.5 | Minimum thickness | 1.00 | 300.00 | | | 0 | |

| | | | | | | |
|----|------|---|----------|-------------------------|--------|---------|
| 23 | 19 | Requirement for acetylene, pourous filling mass and solvent | 0.00 | 0.00 | 0 | 0 |
| 24 | 20.3 | Elevated temperature test | 0.00 | 0.00 | 0 | 0 |
| 25 | 20.4 | Vibration test | 0.00 | 0.00 | 0 | 0 |
| 26 | 20.5 | Back fire test | 0.00 | 0.00 | 0 | 0 |
| 27 | 20.6 | Bon fire test | 0.00 | 0.00 | 0 | 0 |
| 28 | | Report preparation | 1.00 | 300.00 | | |
| | | | 39.50 | 11850.00 | 115.00 | 1035.00 |
| | | | | | | 0.00 |
| | | Total man hour | 39.50 | | | |
| | | Total electricity consumption kW | 115.00 | | | |
| | | Total cost of Power | 1035.00 | | | |
| | | Total cost of consumable | 0 | | | |
| | | Testing charges of product (3 Pc cylinder) | 12885.00 | Rounded off Rs.12900.00 | | |
| | | Testing charges of product (2 Pc cylinder) | 9225.00 | Rounded off Rs.9250.00 | | |

OIC Mech

S.K.Singh

OIC
QA

As decided by CA, testing charges for 3 Pc. cylinder is Rs.12900/- and testing charges as per referred ISS. For 2 Pc. cylinder is Rs.9250/- and testing charges as per referred ISS.

(Kshitij Bathla)
Sc.B, LPPD

Head, LPPD
DDGL

Please Refer to Revised Testing Charges mentioned above

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1990 09 07

TESTING CHARGES FOR IS 7312:1982 WELDED & STAINLESS STEEL DISSOLVED
ACETYLENE GAS CYLINDERS (FIRST REVISION WITH AMENDMENT NO.1)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|---------------------------|--------------------------|-------------|--|
| A. WELDED STEEL CYLINDERS | | | |
| 1. | Material | 3 | |
| | a) Body | 3.1 | As per IS 6240:1976 Or Type 1 of IS 2041:1982 |
| | b) Valve pad and Bung | 3.2 | As per IS 226 :1975 OR Class 1 of 1875:1978 Or Grade C-20 of IS 2073:1970 OR IS 4855:69 |
| 2. | Manufacture | 5.2 | ½ |
| 3. | Water capacity | 5.4 | ½ |
| 4. | Valve connections | 5.5 | ½ |
| 5. | Fitting other than valve | 5.6 | 1 |
| 6. | Hydrostatic starch test | 8.1 | Test facility not exist at CL. |
| 7. | Hydraulic Pressure test | 8.2 | 2 |
| 8. | Pneumatic leakage Test | 9 | Test facility not exist at CL. |
| 9. | Bursting test | 10. | 2 |
| 10. | Acceptance tests | 11 | |
| | a) Tensile test | | 9 |
| | b) Bend test | | 2 |

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|--|--------------|-----------------------------------|
| | c) Macro examination | | 1½ |
| | d) Minimum Thickness test | | 1 |
| 11. | Valve | | As per IS 3224:79 |
| 12. | Radiographic examination | 8 | 8 |
| 13. | Technical requirements for acetylene, pursues filling mass and solvent | 12 | Testing facility not exist at CL. |
| 14. | Type testing of dissolved acetylene cylinders | 13 | do |
| | PREPARATION OF TEST REPORT | | ½ |
| | | TOTAL TIME : | 29 |

Testing charges per man-hour are Rs. 75.00.

Hence testing charges for the product are : Rs.2175.00 excluding the material tests as per above referred IS specifications and tests for which facilities do not exist at CL.

B. Testing charges for seamless steel cylinders will be same as for IS 7285:1988 as the cylinder should conform to IS 7285:1988.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1989 02 27

TESTING CHARGES FOR IS 7316:1974 DECORATIVE PLYWOOD USING PLURALITY OF VENEERS FOR DECORATIVE FACES.

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|----------------------------|-------------|--------------------|
| 1. | Material | | |
| | a) Timber | 4.1 | 1 |
| | b) Adhesive | 4.2 | As per IS 848:1974 |
| | c) Plywood | 4.3 | As per IS 303:1960 |
| 2. | Manufacture | 5 | ½ |
| 3. | Defects (Permissible) | 6 | 1 |
| 4. | Dimensions & Tolerance | 7 | ½ |
| 5. | Finish | 8 | ½ |
| 6. | Moisture content | 9.1.1 | 1 |
| 7. | Water resistance test | 9.1.2 | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 7 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product excluding material testing are : Rs.525.00

If independent samples for material (adhesive & plywood) are received, they may be tested as per the referred ISS & shall be charged accordingly.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1989 04 10

TESTING CHARGES FOR IS 7320:1974 CONCRETE SLUMP TEST APPARATUS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|------------------------|-------------|-----------|
| 1. | Material | 3.2 | ½ |
| 2. | Construction including | 3.3 & Fig.2 | 2½ |

dimensions

3. Tamping bar 4 ½

PREPARATION OF TEST REPORT ½

TOTAL TIME :

4

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.300.00

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref:CL/QA/14:0

1999 07 14

TESTING CHARGES FOR IS 7328:1992 HIGH DENSITY POLYETHYLENE MATERIALS
FOR MOULDING AND EXTRUSION

| SL.NO. | CHARACTERISTICS | CLAUSE NO. | MAN-HOURS |
|--------|----------------------------|------------|-----------|
| 1. | Density | 5.2.1.1 | 2 |
| 2. | Melt Flowrate | 5.2.1.2 | 4\$ |
| 3. | Additional Requirements | 5.3 | *\$ |
| 4. | Carbon black content | 5.4 | 2\$ |
| 5. | Carbon black dispersion | 5.5 | 2\$ |
| 6. | Antifoxidants General | 5.6.1 | 2\$ |
| 7. | Migration Test | 5.6.2 | |
| 8. | Special Requirements for | 5.7 | 2\$ |
| 9. | Pigment Content | 5.7.4 | *\$ |
| | PREPARATION OF TEST REPORT | | 1 |
| | TOTAL TIME | | --- |
| | | | 17 |
| | | | --- |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the product are Rs.1275.00.

* No test method has been specified for these tests.

\$ Testing facilities for these tests are not available presently at Central Laboratory.

DG may kindly approve.

(V.K. Sethi)

TS(QA)

DCL(QA) Sd/- 07/14

DDGL Sd/-

ADGT Sd/-

DG Sd/-

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1983 03 15

TESTING CHARGES FOR IS 7329:1974 METAL LASTS FOR SAFETY RUBBER
CANVAS ANKLE BOOTS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|--------------------------------------|----------------|-----------|
| 1. | Material | 3.1 | ½ |
| 2. | Construction and & Finish | 3.2 | 2 |
| 3. | Pin-point and quarter height mark | 3.3 | ½ |
| 4. | Dimensions | | |
| | i) Last | 3.5.1 to 3.5.3 | 2 |
| | ii) Metal pin | 3.5.4 | ½ |
| 5. | Packing & Marking | 4 & 5 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 7 |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.525.00

APPROVED BY THE COMPETENT AUTHORITY.
BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1983 08 08

TESTING CHARGES FOR IS 7371:1982 STAINLESS STEEL, SAFETY RAZOR
BLADES (SECOND REVISIONS)

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-------|-------------|-----------|
| 1. | Type | 3.1 | ½ * |

| | | | |
|-----|----------------------------|----------------|-------|
| 2. | Chemical composition | 4 | |
| | a) Carbon | | 1 |
| | b) Manganese | | 1½ |
| | c) Silicon | | 2½ |
| | d) Sulphur | | 2 |
| | e) Phosphorus | | 2 |
| | f) Chromium | | 2½ |
| 3. | Shape & dimensions | 5.1 | 2 |
| 4. | Workmanship & Finish | 6.1, 6.2 & 6.3 | 1½ |
| 5. | Checking of treatment | 7 | ½ |
| 6. | Hardness test | 9.1 | 1 |
| 7. | Flexibility test | 9.2 | ½ |
| 8. | Microscopic examination | 9.3 | ½ |
| 9. | Final bevel test | 9.4 | ½ |
| 10. | Performance test | 9.5 | 5 |
| 11. | Marking | 10.1 | ½ |
| 12. | Visual examination | A-2 | ½ |
| | PREPARATION OF TEST REPORT | | ½ |
| | | | ----- |
| | TOTAL TIME : | | 25 |
| | | | ----- |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.1875.00

Note:- In case steel strip is received and tested to check conformity
to IS 9294:1979, Charges shall be levied as per IS 9294.

APPROVED BY THE COMPETENT AUTHORITY.

The revised BIS testing charges for IS 7402:2011 effective from 22-08-2017

BIS CENTRAL LABORATORY

(Chemical Department)

TESTING CHARGES FOR IS 7402:2011, Amnd-1
CERAMIC WATER PURIFIER FILTER CANDLES — SPECIFICATION”

| Sl. No. | Characteristics | Clause no. | Man-Hours | Electricity Consumed (kwh) | Cost of consumable including reference material wherever applicable |
|---------|----------------------------|------------|-----------|----------------------------|---|
| A. | Test Parameters | | | | |
| 1. | Presence of silver | 5.5 | 2 | | |
| 2. | Freedom from Bacteria | 5.6 | 8 | 48 | 325 |
| B. | PREPARATION OF TEST REPORT | | 1 | | |
| TOTAL | | | 11 | 48 | 325 |

Testing charges per man-hour are Rs.300.00.

Hence complete testing charges for the products = $11 \times 300 + 48 \times 9 + 325$
= 4057/-

CA may kindly approve.

**Praveen Kumar
T. A.**

Sc-B (Chem)

OIC (Chem)

**BIS CENTRAL LABORATORY
(Mechanical Department)**

Our Ref:CL/QA/14

2017-07-03

TESTING CHARGES FOR FILTERS FOR DRINKING WATER AS PER IS 7402:2011 (Amnd-1)

| Sl.No. | Characteristics | Clause no. | Man-Hours |
|--------|----------------------------------|------------|-----------|
| A. | TEST PARAMETERS | | |
| 1. | Dimensions | 5.1 | 2 |
| 2. | Workmanship & Finish | 5.2 | 2 |
| 3. | Rate of filtration | 5.3 | 6 |
| 4. | Freedom from suspended particles | 5.4 | 1 |
| 5. | Filter cap and other accesories | 5.7 | 1 |
| B. | PREPARATION OF TEST REPORT | | 1 |

Testing charges per man-hour are Rs.300.00. Hence complete testing charges for the product: Rs.3900.00

OIC (M)

OIC (QA)

Head (CL)

As decided by CA, testing charges are Rs. 7960/-.

**(Ankita Tripathi)
Sc.B, LPPD**

Head, LPPD

DDGL

Please Refer to Revised Testing Charges mentioned above
BIS CENTRAL LABORATORY
(Q.A. Department)

Our Ref:CL/QA/79

18 Dec 2006

TESTING CHARGES FOR FILTERS FOR DRINKING WATER AS PER IS 7402:1986

| Sl..No. | Characteristics | Clause no. | Man-Hours | Electricity Power Consumed kwh | Cost of consumables including reference material where- ever applicable |
|---------|-----------------------------------|-------------|-----------|--------------------------------------|--|
| A. | TEST PARAMETERS | | | | |
| 1. | Workmanship & Finish | 3.1.1 & 4.3 | 2 | | |
| 2. | Dimensions | 3.2.1.1 | 2 | | |
| 3. | Rate of filtration | 3.2.2 | 6 | | |
| 4. | Freedom from Bacteria | 3.2.3.1 | 8 | 20kwh | |
| 5. | Presence of silver | 3.2.4 | 2 | 2kwh | |
| 6. | Freedom from suspended particles | 3.2.5 | 1 | | |
| 7. | Filter cap | 3.2.6 | 0.5 | | |
| 8. | Capacity | 4.2 | 1 | | |
| 9. | Leakage | 4.4 | 0.5 | | |
| B. | Electricity power consumed | | | 22kwh | |
| C. | Cost of Consumables/CRMs | | | | - |
| D. | PREPARATION OF TEST REPORT | | 3 | | |
| | TOTAL | TIME | 26 | | |

Testing charges per man-hour are Rs.75.00. Hence complete testing charges for the products is:

$$\text{Total Rs. } 26 \times 75 + 22 \times 4 = \text{Rs. } 2038$$

The proposal is made on the basis of information received from testing lab.

DDGL may kindly approve.

(K.S. Arya)
STA(QA)

D&H(QA)
DDGL

TESTING CHARGES FOR IS 7406(PART-1):1984 JUTE BAGS FOR PACKING
FERTILIZERS PART-1 LAMINATED BAGS MANUFACTURED FROM 407 g/m
85 x 39 TARPAULIN FABRIC.

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|--------------|---|------------------------------------|----------------------------------|
| 1. | Bonding | | |
| | a) Measurement of bitumen free margins | 2.1.1 | ½ |
| | b) Mass in g/m ² | 2.1.2 | 2 |
| | c) Other requirements | 2.1.3 | As per Table 1 of IS 702:1961 |
| 2. | Liner, mass and smearing and Liner coverage | 2.2 & 2.2.1 2.2.2 | 1 ½ |
| 3. | Type of stitches | 2.3, 2.3.1, 2.3.2, 2.3.3, 2.3.4 | 2 |
| 4. | Cozing defects | 2.4 | ½ |
| 5. | Dimensions | 2.5 & i) & ii) of Table 1 | ½ |
| 6. | Breaking load | 2.5 & iii) Table 1 | 2 |
| 7. | Breaking load of seams | 2.5 & iv) " | 2 |
| | PREPARATION OF TEST REPORT | | ½ |
| TOTAL TIME : | | | 12 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.900.00

The testing charges for tests at Sl.No.1 c) above shall be as per IS □
702:1961 to be levied extra.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1993 09 13

TESTING CHARGES FOR IS 7406(PART-2):1986 JUTE BAGS
FOR PACKING FERTILIZERS

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|---|-------------------------|--|
| 1. | Bonding | 2.1.1 2.1.2 2.1.3 | $\frac{1}{2}$ 2 As per Table 1, grade 90/15 of IS 702 |
| 2. | Liner | 2.2 | 1 $\frac{1}{2}$ |
| 3. | Type of Stitches | 2.3 | 1 |
| 4. | Oozing defects & Packing and Marking | 3 | $\frac{1}{2}$ |
| 5. | Requirements as per Table 1 | | |
| | a) Dimensions | 2.5 | $\frac{1}{2}$ |
| | b) Breaking load of laminated fabric | | 2 |
| | c) Breaking load of seam | | 2 |
| | PREPARATION OF TEST REPORT | | $\frac{1}{2}$ |
| | TOTAL TIME : | | 11 |

Testing charges per man-hour are Rs. 75.00.

Hence complete testing charges for the product are : Rs.825.00

The testing charges for bitumen as per Cl.2.1.3 has to be levied extra, if supplied separately.

APPROVED BY THE COMPETENT AUTHORITY.

BIS CENTRAL LABORATORY, SAHIBABAD
[Q.A. DEPARTMENT]

OUR REF : LAB/14:0

1993 12 16

TESTING CHARGES FOR IS 7407(PART-II&III):1980 JUTE TARPAULIN FABRIC

| S NO | TESTS | CLAUSE REF. | MAN-HOURS |
|------|-------------------------------------|-------------|-----------|
| 1. | Requirements as per Table 1 : 2 | | |
| | i) Mass | | 1 |
| | ii) Ends/dm | 3 | |
| | | 3 | ½ |
| | iii) Picks/dm | 3 | |
| | iv) Breaking load | | 2 |
| | v) Moisture Regain percent | | ½ |
| | vi) Oil content | | 1½ |
| 2. | Construction & Freedom from defects | 3 & 4 | ½ |
| 3. | Length, loose cuts & width | 5 & 7 | ½ |
| 4. | Packing | 13.1 3 | |
| | | 3 | ½ |
| 5. | Marking | 13.2 3 | |
| | PREPARATION OF TEST REPORT | | ½ |
| | TOTAL TIME : | | 8 |

Testing charges per man-hour are Rs. 75.00.
Hence complete testing charges for the product are : Rs.600.00

APPROVED BY THE COMPETENT AUTHORITY.