

## केन्द्रीय मुहर विभाग -2

संदर्भ -: के.मु.वि.-2/16:15298 (Part 2, 3,4)

03 02 2020

**विषय: IS 15298 (Part 2):2016, IS 15298 (Part 3):2019/ISO 20346:2014) व IS 15298 (Part 4):2017 में Innocuousness test के संदर्भ में**

1. यह उपरोक्त विषय के संदर्भ में है ।
2. इस विषय पर परिपत्र अवलोकन व अनुपालन हेतु संलग्न है।

(आदित्य दास)  
वैज्ञानिक सी

### प्रमुख (के मू वी-2)

सभी क्षेत्रीय/शाखा कार्यालय/प्रयोगशालाएँ/सी एच डी/एल पी पी डी

प्रतिलिपि :

आई टी एस विभाग – बी आई एस इंटरनेट पर डालने हेतु

## CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 15298 (Part 2, 3, 4)

03 02 2020

**Subject: Regarding Innocuousness test requirement of IS 15298 (Part 2):2016, IS 15298 (Part 4):2017 and IS 15298 (Part 3):2019/ISO 20346:2014)**

1. This has reference to the subject mentioned above.
2. Circular regarding the subject matter is enclosed for kind consideration and implementation.

(Aditya Das)  
Scientist C

### Head (CMD-2)

All ROs/BOs/Labs/CHD/LPPD

Copy to:

ITSD - for hosting on BIS Intranet.

**CENTRAL MARKS DEPARTMENT-2**

Our Ref: CMD-2/16: 15298 (Part 2,3,4)

03 02 2020

**Subject: Regarding Innocuousness test in IS 15298 (Part 2):2016, IS 15298 (Part 4):2017 (incorporating amendment no.1) and IS 15298 (Part 3):2019/ISO 20346:2014)**

1. This has reference to the above and is further to CMD-2's circular dated 30.09.2019 informing the decision of the Competent Authority to keep the **requirement of innocuousness in abeyance** from the scope of IS 15298 (Part 2):2016, IS 15298 (Part 4):2017 (considering amendment no. 1) and IS 15298 (Part 3):2019/ISO 20346:2014 for the purpose of certification.
2. Reference is also invited to guidelines for implementation of amendment no. 1 to IS 15298 (Part 2):2016, IS 15298 (Part 4):2017 and implementation of revised IS 15298 (Part 3):2019/ISO 20346:2014 issued by CMD-2.
3. The requirement of innocuousness was kept in abeyance for the certification of the above products due to unavailability of third party labs equipped for conducting testing of footwear as per IS 17011.
4. However, Central Leather Research Institute (CLRI), Chennai, a BIS Empanelled Group 2 Lab has now confirmed availability of facilities for testing of footwear for Innocuousness (as per IS 17011:2018/IS 15298 Pts 2,3,4). They have also provided details of testing charges, sample quantity and estimated time required for testing which are enclosed.
5. In view of the above, Branch Offices are requested to advise all licensees for IS 15298 Parts 2,3,4 who have not yet demonstrated compliance to the requirement of Innocuousness test as per IS 17011 by submitting evidence of conformity to the additional requirement as per the implementation guidelines, to get their sample tested from CLRI for demonstrating the compliance to the requirement of innocuousness (as per IS 17011) and submit the evidence of conformity (test report) to the BO concerned.
6. Licensees shall be advised to submit the evidence of conformity (test report) to requirements specified for critical chemicals in IS 17011 **within 6 months of the date of this circular** to the concerned BO. In case licensees fail to complete the above actions within this deadline, BOs are advised to treat it as non-implementation of the amendment/revised standard and take action as per guidelines/regulations.
7. Applications for grant of licence and/or inclusion shall also be accepted only when compliance to the requirement of Innocuousness test as per IS 17011 is demonstrated through evidence of conformity as outlined in the guidelines.
8. At the end of the 6 months from the date of this circular, the order dated 30.09.2019 keeping the subject requirement in abeyance will stand withdrawn.

9. Heads of BOs are requested to confirm the status of implementation to CMD-2 within 15 days of the lapse of the above 6-month deadline, mentioning the action taken in case of non-compliance by licensees.

10. This is with the approval of DDG (Certification).

**(Aditya Das)**  
**Sc. C**

**HCMD-2**  
**ROs/BOs/Labs**

Copy to:

**HCHD**

**DDGL**

**HLPPD**

**ITSD** – With a request to host this circular in intranet

Email

cmd2@bis.gov.in

**Quotation from CLRI-CATERS - IS 17011 (Innocuousness)**

**From :** CLRI CATERS CATERS <clricaters@clri.res.in>  
**Subject :** Quotation from CLRI-CATERS - IS 17011 (Innocuousness)  
**To :** CMD2 <cmd2@bis.gov.in>  
**Cc :** clpolicycell.bis <clpolicycell@bis.gov.in>

Fri, Jan 17, 2020 06:17 PM

📎 1 attachment

Dear Sir(s)

Greetings!

CLRI-CATERS is NABL & SATRA(UK) Accredited Laboratory as per ISO 17025:2017 we have comprehensive test facilities and infrastructure to carry out a wide range of testing scope under various disciplines: Leather, Leather Products, Footwear & Components, Chemicals and its auxiliary.

With references to your email CMD-2/16:15298(Pt 2,3,4) Dated 13.01.2020, for the details of testing of footwear for requirements specified for critical chemicals IS 17011(Innocuousness) and for certification of Safety Footwear as per IS 15298 Part-2(2016),Part - 3(2019),Part-4(2017) is attached herewith.

Further more we would more state that we also have a comprehensive facilities for Mechanical testing( IS 15298 Part-2(2016),Part - 3(2019),Part-4(2017)).

S.No	Test Method(Innocuousness)	Charges in ₹ (excluding 18% GST)
1	IS 17011 Table-1	24500
2	IS 17011 Table-2	54500
<b>Total</b>		<b>79000</b>
S.No	Test Method(Mechanical)	Charges in ₹ (excluding 18% GST)
1	IS 15298 Part-2(2016),Part - 3(2019),Part-4(2017)	50000
S.No	Package Testing	Charges in ₹ (excluding 18% GST)
1	As package (IS 15298 and Innocuousness-IS 17011 Table -1)	60000
2	As package (IS 15298 and Innocuousness-IS 17011 Table – 1 & 2)	100000

**Note:** Table 1 of Innocuousness test is mandatory whereas Table-2 for information only. However, we have competent and have all the facilities to carry out testing of chemical prescribed in Table -2.

**TAT:** 10-12 Working days

**Sample Quantity require:**

- 2 Pairs for Table-1 & Table-2 of IS 17011.
- 4 Pairs for Entire package

With Kindest Regards  
 Dr. R. Mohan  
 CATERS

**From:** "CMD2" <cmd2@bis.gov.in>  
**To:** "SREERAM K J" <kjsreeram@clri.res.in>  
**Cc:** "CLRI CATERS CATERS" <clricaters@clri.res.in>, "clpolicycell.bis" <clpolicycell@bis.gov.in>  
**Sent:** Friday, January 17, 2020 12:08:18 PM  
**Subject:** Details of testing of footwear for requirements specified for critical chemicals in IS 17011 (Innocuousness)

Sir

Please consider our letter attached with a request for an early reply.

Regards


Meenal Passi  
Head, CMD-2

Copy to:

LPPD - With a request to obtain response from the Lab.

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CENTRAL MARKS DEPARTMENT-2  
Bureau of Indian Standards  
9, Bahadur Shah Zafar Marg  
NEW DELHI - 110002.  
Ph: (011) 23230792/23215940.

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 **BIS - ISO-17011 , IS-15298 docx.docx**  
35 KB

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# CLRI-CATERS

सीएलआरआई - कैटर्स

## ISO 17011:2018

**TABLE-1**

S.No.	COMPOUND	Test method available	Charges	Time required
1.	AROMATIC AMINES	ISO-17234-1	2000	2 days
2.	DISPERSIVE DYES	IS-16194	2000	10 days
3.	CHROMIUM AND CR VI	ISO-17075-2	2000	2 days
4.	DMFU	ISO 16189	4000	5 days
5.	FORMALDEHYDE(FREE OR RELEASE BY PARTIAL HYDROLYSIS)	IS-16297	2000	2 days
6.	FORMALDEHYDE	ISO-17226-1	2000	2 days
7.	ORGANOTINS	ISO-16179	4000	10 days
8.	PCPS(CP)	ISO-17070	2000	2 days
9.	pH	ISO-4045	500	1 day
10.	PHTHALATES	ISO-16181	2000	2 days
11.	NICKEL ,ON SKIN CONTACT	ISO-17072-1	2000	2 DAYS
		Total	24500	

**TABLE-2**

S.No.	COMPOUND	Test method available	Charges	Time required
1.	CHLOROORGANIC CARRIERS	IN-HOUSE BASED ON DIN METHOD	2000	10 days
2.	TOTAL METAL CONTENT	ISO-17072-2	2000	2 days
3.	COLOPHONY	IN-HOUSE	2000	10 days
4.	DMFA	ISO 16186	5000	2 days
5.	FLAME RETARDENT	IN-HOUSE BASED ON EN METHOD	2000	10 days
6.	2MBT,PRESERVATIVES	ISO-13365	4000	2 days
7.	ACRYLONITRILE	IN-HOUSE	1000	10 days
8.	EXTRACTABLE LATEX PROTEINS	IN-HOUSE BASED ON EN METHOD	1000	10 days
9.	N-ETHYLPHENYLAMINE	IN-HOUSE	1000	10 days
10.	NITROSO AMINES	IN-HOUSE ON EN METHOD	1000	10 days
11.	APEO AND AP	ISO-18218-1	3500	2 days
12.	OZONE-DEPLETING SUBSTANCES	IN HOUSE	3000	10 days
13.	PFOA AND PFOS	CEN/TS-15968	2000	10 days
14.	PESTICIDES	ISO-22517	5000	10 days
15.	PCBS	IN-HOUSE	5000	10 days
16.	PCPS(CP)	ISO-17070	2000	2 days
17.	POLYCHLOROPRENE	IN-HOUSE	2000	10 days



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18.	PTBF	IN-HOUSE	1000	10 days
19.	SSCP	ISO-18219	4000	10 days
20.	THIURAM AND THIOCARBAMATE	IN-HOUSE	1000	10 days
21.	VINYLCHLORIDE MONOMER	IN-HOUSES	1000	10 days
22.	PAH	ISO-16190	4000	10 days
23.	PHENOL	ISO-20536	2000	10 days
		Total	54500	

### SAFETY FOOTWEAR - ISO 20345: 2011/ IS 15298:2016

Product / material	Test name	Charges
Design	Design	900
	Height of upper	
Whole footwear	Sole performance	13800
	Construction	
	Upper/outsole bond strength	
	Toe protection	
	General	
	Internal length of toecaps	
	Impact resistance	
	Compression resistance	
	Behavior of Toe caps (Chemical corrosion)	
	Electrical Insulation-Antic static properties	
	Energy absorption seat region	
	Insulation against heat	
	Insulation against Cold	
	Slip Resistance	
Upper	General	10550
	Thickness	
	Tear strength	
	Tensile properties	
	Flexing resistance	
	Water permeability and coefficient	
	Resistance to Water penetration	
	PH value	
	Chromium VI content	
Hydrolysis (Non Leather/PU Upper)		
Vamp lining	Tear strength	4750
	Abrasion resistance	
	Water vapour permeability and coefficient	
	PH value	
	Chromium VI content	
Quarter lining	Tear strength	4750
	Abrasion resistance	
	Water vapour permeability and coefficient	
	PH value	
	Chromium VI content	
Tongue	Tear strength	2050
	Ph value	
	Chromium VI content	
Insole	Abrasion Resistance	1500
Insock	Abrasion Resistance	1500
Outsole	Design	



CLRI-CENTRE FOR ANALYSIS, TESTING, EVALUATION & REPORTING SERVICES  
विश्लेषण, परीक्षण, मूल्यांकन, एवं रिपोर्टिंग सेवा केंद्र

# CLRI-CATERS

सीएलआरआई - कैटर्स

Thickness	12800
Tear strength	
Cleat Height	
Abrasion resistance	
Flexing resistance	
Interlayer bond strength ( for multilayer Sole)	
Resistance to hot contact	
Resistance to fuel oil	
Hydrolysis ( For PU Sole)	
Grand Total	<b>Rs. 50,000 plus 18% GST</b>