

METALLURGICAL ENGINEERING DEPARTMENT

धातुकर्म इंजीनियरिंग विभाग

हमारे संदर्भ: एमटीडी 34/ए--2.4

दिनांक 28-03-2018

Subject: Reaffirmation of Indian Standards pertaining to Methods of Chemical Analysis Metals Sectional Committee, MTD 34

विषय: भारतीय मानक की पुनः पुष्टि धातुओं की रासायनिक विश्लेषण की विधियों विषय समिति से संबंधित समिति, एमटीडी 34

The following Indian Standards have been reaffirmed during the month of March 2018 by the Methods of Chemical Analysis Metals Sectional Committee, MTD 34 for a further period of five years from their due date:

निम्नलिखित भारतीय मानक धातुओं की रासायनिक विश्लेषण की विधियों की विषय समिति, एमटीडी, 34 अपने नियत तारीख से पांच वर्ष की अवधि के लिए आगे के दौरान की पुष्टि मार्च 2018 में की गई है:

Sl.No.	IS No.	Title
1.	228(Part 1):1987	Methods of chemical analysis of steels: Part 1 Determination of carbon by volumetric method (for carbon 0.05 to 2.50 percent)
2.	228(Part 2):1987	Part 2 Determination of Manganese in Plain-Carbon and Low Alloy Steels by Arsenite Method
3.	228 (Part 3):1987	Part 3 Determination of phosphorus by alkalimetric method
4.	228 (Part 4):1987	Part 4 Determination of total carbon by gravimetric method (for carbon greater than or equal to 0.1 percent)
5.	228 (Part 7):1990	Part 7 Determination of molybdenum by alpha-benzoinoxime method (for molybdenum 1 percent and not containing tungsten)
6.	228 (Part 18):1998	Part 18 Determination of oxygen by instrumental method
7.	440:1964	Methods Of Chemical Analysis Of Copper
8.	504(Part 1 to 12):2002	Chemical Analysis of Aluminium and its Alloys -- Parts 1 to 12
9.	504(Part 13 to 16):2003	Chemical Analysis of Aluminium and its Alloys - Part 13 To 16
10.	1493(Part 2):2013	METHODS OF CHEMICAL ANALYSIS OF IRON ORES PART 2 DETERMINATION OF SILICON CONTENT BY REDUCED MOLYBDOSILICATE SPECTROPHOTOMETRIC METHOD
11.	1559:1961	Methods of Chemical Analysis of Ferro-Alloys
12.	1559 (Part 2):1982	Methods of chemical analysis of ferro silicon: Part 2 Determination of carbon
13.	1559 (Part 3):1982	Part 3 Determination of Sulphur
14.	1559 (Part 4):1982	Part 4 Determination of phosphorus

15.	1559(Part 6):1982	Part 6 Determination of calcium
16.	1559 (Part 7):1982	Part 7 Determination of Manganese
17.	2017:1967	Methods of Chemical analysis of metallic manganese
18.	2018:1998	Methods of chemical analysis of calcium silicon
19.	2020(Part 1):1968	Methods of chemical analysis of silicon chromium Part 1 Analysis of silicon and chromium
20.	2277:1964	Methods of chemical analysis of metallic silicon
21.	3168:1965	Methods Of Chemical Analysis Of Cadmium Copper
22.	3187:1965	Methods Of Chemical Analysis Of Copper-nickel Zinc Alloys
23.	3200:2001	Chemical Analysis of Cryolite
24.	3685:1966	Methods of chemical analysis of brasses
25.	3863:1966	Methods of chemical analysis of copper-tellurium alloys
26.	4027(Part 1):1987	Methods of chemical analysis of bronzes Part 1 Determination of copper and lead by electrolytic method
27.	4027(Part 2):1987	Part 2 Determination of manganese-photometric method
28.	4027(Part 3):1987	Part 3 Determination of phosphorus by volumetric method
29.	4027(Part 4):1987	Part 4 Determination of nickel-dimethylglyoxime photometric method
30.	4027(Part 5):1987	Part 5 Determination of tin-iodimetric method
31.	4027(Part 6):1987	Part 6 Determination of zinc by complexometric (EDTA) method
32.	4027(Part 7):1990	Part 7 Determination of antimony by Rhodamine B spectrophotometric method
33.	4027(Part 8):1991	Part 8 Determination of iron
34.	4027 (Part 9):1991	Part 9 Determination of aluminium by AAS method
35.	4027 (Part 10):2000	Part 10 Determination of Silicon
36.	4027(Part 11):2000	Part 11 Determination of Lead - Ethylenediamine Tetra-acetic Acid (EDTA) - Titrimetric Method
37.	4548(Part 1):1987	Part 1 Analysis of gold and copper
38.	4646(Part 1):1968	Methods Of Chemical Analysis Of Copper Phosphorus Brazing Alloys, Part 1 Analysis For Silver And Copper
39.	4646(Part 2):1976	Part 2 Determination Of Phosphorus
40.	4667(Part 1):1988	Methods of chemical analysis of silver copper brazing alloys Part 1 Analysis for silver and copper
41.	4667(Part 2):1989	Part 2 Determination of silver, copper and tin
42.	4667(Part 3):2001	Part 3 Determination of Nickel
43.	4667(Part 4): 2001	Part 4 Determination of Silver, Copper, Cadmium and Zinc -Electolytic Method

44.	5425(Part 1): 1989	Methods of chemical analysis of misch metal Part 1 Determination of cerium
45.	5425 (Part 2):1984	Part 2 Determination of total rare earths
46.	6226 (Part 1): 1994	Recommendations for apparatus for chemicals analysis of metals,Part 1 Apparatus for determination of carbon by direct combustion
47.	12308(Part 1):1987	Methods for Chemical Analysis of Cast Iron and Pig Iron: Part 1 Determination of total carbon by thermal conductivity method (for carbon 1.00 to 4.50 percent)
48.	12308 (Part 2):1987	Part 2 Determination of sulphur by iodimetric titration after combustion (for sulphur 0.005 to 0.25 percent)
49.	12308(Part 3): 1987	Part 3 Determination of manganese by periodic spectrophotometric method (for manganese 0.1 to 2.5 percent)
50.	12308 (Part 5):1991	Part 5 Determination of phosphorus by alkalimetric method (for phosphorus 0.01 to 0.50 percent)
51.	12308 (Part 6):1991	Part 6 Determination of silicon by gravimetric method (for silicon 0.1 to 6.0 percent)
52.	12308 (Part 7): 1991	Part 7 Determination of nickel by dimethyl glyoxime (gravimetric) method(for nickel 0.5 to 36 percent)
53.	12308 (Part 8):1997	Part 8 Determination of chromium by per sulphate oxidation method (for chromium 0.1 to 28 percent)
54.	12308 (Part 10):1991	Part 10 determination of managanese (upto 7.0 percent) by arsenite(volumetric)method
55.	12308(Part 11):1991	Part 11 Determination of total carbon by the direct combustion volumetric method (for carbon 1.50 to 4.50 percent)
56.	12308 (Part 12):1992	Part 12 Determination of copper by atomic absorption spectrometric method (for copper 0.01 to 0.5 percent)
57.	12308 (Part 13):1992	Part 13 Determination of magnesium by atomic absorptin spectrometric method (for magnesium upto 0.1 percent)
58.	13452(Part 1):1992	Chemical Analysis of Ferrochromium: Part 1 Determination of silicon in high carbon ferrochromium by gravimetiric method
59.	13452 (Part 2):1992	Part 2 Determination of silicon in low carbon ferrochromium by gravimetric method
60.	13452 (Part 3):1992	Part 3 Determination of phosphorus in low carbon ferrochromium by spectrometric method
61.	13452 (Part 4):1992	Part 4 Determination of total sulphur in low carbon and high carbon ferrochromium by direct combustion method
62.	13452 (Part 5):1992	Part 5 : Determination of Chromium in High Carbon Ferrochromium/Chargechrome by Dichromate Titration
63.	13452(Part 6):1992	Part 6 Determination of chromium in low carbon ferro chromium
64.	IS 15338 : 2003	Spectrometric Analysis of Cast Iron by Direct Reading Optical Emission Vacuum Spectrometer - Point to Plane Technique

Director (Sales)/DPT/D (PUB)/DLSC may kindly take suitable action for affixing the year of reaffirmation to these Indian Standards.

उपरोक्त भारतीय मानकों के साल की पुनः पुष्टि के लिए उचित कार्यवाही हेतु निदेशक (बिक्री) /डीपीटी/डी (पीयूबी) /डीएलएससी को प्रेषित किया जा रहा है।

(एन. सुर्यनारायण) (N. Suryanarayana)

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D (Sales)

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DLSC

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