BUREAU OF INDIAN STANDARDS

Program of Work

MTD 34 : Methods of Chemical Analysis of Metals Sectional Committee

Scope: Standardization in the field of chemical/instrumental analysis of ferrous, non-ferrous metals, ores and other raw materials

Liaison: **ISO TC-102 SC-2 (P):** *Chemical analysis* **ISO TC-17 SC-1 (P):** *Methods of determination of chemical composition* **ISO TC-102 SC-2 (P):** *Chemical analysis* **ISO TC-17 SC-1 (P):** *Methods of determination of chemical composition*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10085:2003 Reviewed In : 2024	Chemical analysis of zircon (First Revision) flour or sand	March, 2024	-	Indigenous
2	IS 1047:1965 Reviewed In : 2021	Methods of chemical analysis of antimony (Revised)	March, 2021	-	Indigenous
3	IS 11035:1984 Reviewed In : 2024	Method for spectrographic analysis of wrought aluminium alloys	March, 2024	-	Indigenous
4	IS 11690:1986 Reviewed In : 2023	Method of moisture determination of iron ore lot	December, 2023	-	Indigenous
5	IS 12107 (Part 1):1987 Reviewed In : 2022	Methods of chemical analysis of alumino silicate refractory materials: Part 1 determination of loss on ignition	March, 2022	-	Indigenous
6	IS 12107 (Part 2):1987 Reviewed In : 2022	Methods of chemical analysis of alumino silicate refractory materials: Part 2 determination of silica	March, 2022	-	Indigenous
7	IS 12107 (Part 3):1987 Reviewed In : 2022	Methods of chemical analysis of alumino silicate refractory materials: Part 3 determination of aluminium	March, 2022	-	Indigenous
8	IS 12107 (Part 4):1987 Reviewed In : 2022	Methods of chemical analysis of alumino silicate refractory materials: Part 4 determination of phosphorus	March, 2022	-	Indigenous
9	IS 12107 (Part 5):1987 Reviewed In : 2022	Methods of chemical analysis of alumino silicate refractory materials: Part 5 determination of titanium	March, 2022	-	Indigenous
10	IS 12107 (Part 6):1987 Reviewed In : 2022	Methods of chemical analysis of alumino silicate refractory materials : Part 6 determination of iron	March, 2022	-	Indigenous
11	IS 12107 (Part 7):1987 Reviewed In : 2022	Methods of chemical analysis of alumino silicate refractory materials: Part 7 determination of	March, 2022	-	Indigenous

		manganese			
12	IS 12107 (Part 8):1987 Reviewed In : 2022	Methods of chemical analysis of alumino silicate refractory materials: Part 8 determination of calcium and magnesium	March, 2022	-	Indigenous
13	IS 12107 (Part 9):1987 Reviewed In : 2022	Methods of chemical analysis of alumino silicate refractory materials: Part 9 determination of sodium and potassium by flame photometry	March, 2022	-	Indigenous
14	IS 12107 (Part 10):2001 Reviewed In : 2022	Methods of chemical analysis of alumino - Silicate refractory materials: Part 10 determination of iron manganese, calcium and magnesium by atomic absorption spectrometric method	March, 2022	-	Indigenous
15	IS 12308 (Part 1):2025	Methods for chemical analysis of cast iron and pig iron Part 1 Determination of total carbon by thermal conductivity method (for carbon 1.00 percent to 4.50 percent) (First Revision)		-	Indigenous
16	IS 12308 (Part 2):2025	Methods for chemical analysis of cast iron and pig iron Part 2 Determination of sulphur by iodimetric titration after combustion (for sulphur 0.005 percent to 0.25 percent) (First Revision)		-	Indigenous
17	IS 12308 (Part 3):2025	Methods for chemical analysis of cast iron and pig iron Part 3 Determination of manganese by periodate spectrophotometric method (for manganese 0.1 percent to 2.5 percent) (First Revision)		-	Indigenous
18	IS 12308 (Part 4):1988 Reviewed In : 2023	Methods for chemical analysis of cast iron and pig iron: Part 4 determination of total carbon, graphitic carbon and combined carbon by gravimetric method	December, 2023	-	Indigenous
19	IS 12308 (Part 5):2025	Methods for chemical analysis of cast iron and pig iron Part 5 Determination of phosphorus by alkalimetric method (for phosphorus 0.01 percent to 0.50 percent) (First Revision)		-	Indigenous
20	IS 12308 (Part 6):2025	Methods for chemical analysis of cast iron and pig iron Part 6 Determination of silicon by gravimetric method (for silicon 0.1 percent to 6.0 percent (First Revision)		-	Indigenous
21	IS 12308 (Part 7):2025	Methods for chemical analysis of cast iron and pig iron Part 7 Determination of nickel by dimethyl-glyoxime gravimetric method (for nickel 0.5 percent to 36 percent) (First Revision)		-	Indigenous
22	IS 12308 (Part	Methods for chemical analysis of		-	Indigenous

	8):2025	cast iron and pig iron Part 8 Determination of chromium by persulphate oxidation method (for chromium 0.1 percent to 28 percent) (First Revision)			
23	IS 12308 (Part 9):1993 Reviewed In : 2023	Methods for chemical analysis of cast iron and pig iron: Part 9 determination of molybdenum by thiocyanate (Spectrometric) method (For Molybdenum 0.01 To 1.0 Percent)	December, 2023	-	Indigenous
24	IS 12308 (Part 10):2025	Methods for chemical analysis of cast iron and pig iron Part 10 Determination of manganese by arsenite (Volumetric) Method (up to 7.0 percent) (First Revision)		-	Indigenous
25	IS 12308 (Part 11):2025	Methods for chemical analysis of cast iron and pig iron Part 11 Determination of total carbon by the direct combustion volumetric method (for carbon 1.50 percent to 4.50 percent) (First Revision)		-	Indigenous
26	IS 12308 (Part 12):2025	Methods for chemical analysis of cast iron and pig iron Part 12 Determination of copper by atomic absorption spectrometric method (for copper 0.01 percent to 0.5 percent) (First Revision)		-	Indigenous
27	IS 12308 (Part 13):2025	Methods for Chemical Analysis of Cast Iron and Pig Iron Part 13 Determination of Magnesium by Atomic Absorption Spectrometric Method (For Magnesium up to 0.1 Percent (First Revision)		-	Indigenous
28	IS 12308 (Part 14):1993 Reviewed In : 2023	Methods of chemical analysis of cast iron and pig iron: Part 14 determination of titanium by hydrogen peroxide (Spectrophotometric) method (For Titanium Up To 0.25 Percent)	December, 2023	-	Indigenous
29	IS 12614 (Part 1):1988 Reviewed In : 2023	Methods of chemical analysis of ferromolybdenum: Part 1determination of molybdenum	December, 2023	-	Indigenous
30	IS 12614 (Part 2):1988 Reviewed In : 2023	Methods of chemical analysis of ferro-molybdenum: Part 2 determination of total carbon	December, 2023	-	Indigenous
31	IS 12614 (Part 3):1988 Reviewed In : 2023	Methods of chemical analysis of ferro-molybdenum: Part 3 determination of silicon	December, 2023	-	Indigenous
32	IS 12614 (Part 4):1988 Reviewed In : 2023	Methods of chemical analysisof ferro-molybdenum: Part 4 determination of sulphur	December, 2023	-	Indigenous
33	IS 12614 (Part 5):1988 Reviewed In : 2023	Methods of chemical analysis of ferro-molybdenum: Part 5 determination of phosphorus	December, 2023	-	Indigenous
34	IS 12614 (Part 6):1988 Reviewed In : 2023	Methods of chemical analysis of ferro-molybdenum: Part 6 determination of copper	December, 2023	-	Indigenous
35	IS 12614 (Part	Methods of chemical analysis of	December, 2023	-	Indigenous

	7):1988 Reviewed In : 2023	ferro-molybdenum: Part 7 determination of aluminium			
36	IS 12667 (Part 1):1989 Reviewed In : 2022	Chromite sand for foundries - methods of chemical analysis: Part 1 determination of silica	March, 2022	-	Indigenous
37	IS 12667 (Part 2):1989 Reviewed In : 2022	Chromite sand for foundries - Methods of chemical analysis: Part 2 determination of iron	March, 2022	-	Indigenous
38	IS 12667 (Part 3):1989 Reviewed In : 2022	Chromite sand for foundries - Methods of chemical analysis: Part 3 determination of chromium	March, 2022	-	Indigenous
39	IS 12667 (Part 4):1989 Reviewed In : 2022	Chromite sand for foundries methods of chemical analysis: Part 4 determination of calcium	March, 2022	-	Indigenous
40	IS 1335:1979 Reviewed In : 2021	Method for direct determination of alumina in refractory materials (First Revision)	March, 2021	-	Indigenous
41	IS 13452:2019 Reviewed In : 2024	Methods of chemical analysis of ferrochromium (First Revision)	February, 2024	-	Indigenous
42	IS 13840:2019 Reviewed In : 2023	Methods of chemical analysis of ferrotitanium (First Revision)	June, 2023	-	Indigenous
43	IS 13938 (Part 1):1994 Reviewed In : 2023	Chemical analysis of ferromanganese: Part 1 determination of silicon by gravimetric method	December, 2023	-	Indigenous
44	IS 13938 (Part 3):1993 Reviewed In : 2023	Chemical analysis of ferromanganese: Part 3 determination of phosphorus by (Alkalimetric) method	December, 2023	-	Indigenous
45	IS 13938 (Part 4):1994 Reviewed In : 2023	Chemical analysis of ferromanganese: Part 4 determination of total sulphur by direct combustion method	December, 2023	-	Indigenous
46	IS 13963 (Part 1):1994 Reviewed In : 2019 Reaffirmed but not taken up for revision	Chemical analysis of cadmium metal: Part 1 determination of copper, zinc, lead and iron	March, 2019	-	Indigenous
47	IS 13963 (Part 2):1994 Reviewed In : 2019 Reaffirmed but not taken up for revision ISO 315:1984 ISO 317:1984	Chemical analysis of cadmium metal: Part 2 determination of nickel, arsenic antimony and thallium by spectrophotometric methods	March, 2019	-	Not Equivalent
48	IS 1409:1959 Reviewed In : 2021	Methods of chemical analysis of antifriction bearing alloys	March, 2021	-	Indigenous
49	IS 14529:2004 Reviewed In : 2022	Chemical analysis of ferrosilicon - Magnesium alloy (First Revision)	March, 2022	-	Indigenous
50	IS 14644 (Part 1):2020 ISO 7530-1 : 2015 Reviewed In : 2025 ISO 7530-1-1:1990	Nickel Alloys — Flame Atomic Absorption Sepctrometric Analysis Part 1 Determination of Cobalt, Chromium, Copper, Iron and Manganese (First Revision)	March, 2025	-	Identical under dual numbering
51	IS 14644 (Part 7):2000	Nickel alloys - Flame atomic absorption spectrometric analysis -	March, 2022	-	Identical under dual numbering

	ISO 7530 -7:1992 Reviewed In : 2022 ISO 7530 -7:1992	Method: Part 7 determination of aluminium content			
52	IS 14644 (Part 8):2000 ISO 7530-8:1992 Reviewed In : 2022 ISO 7530-8:1992	Nickel alloys - Flame atomic absorption spectrometric analysis - Method: Part 8 determination of silicon content	March, 2022	-	Identical under dual numbering
53	IS 14644 (Part 9):2000 ISO 7530-9:1993 Reviewed In : 2022 ISO 7530-9:1993	Nickel alloys - Flame atomic absorption spectrometric analysis - Method: Part 9 determination of vanadium content	March, 2022	-	Identical under dual numbering
54	IS 1473:2004 Reviewed In : 2021	Methods of chemical analysis of manganese ores (First Revision)	March, 2021	-	Indigenous
55	IS 1493:1959 Reviewed In : 2021	Methods of chemical analysis of iron ores	March, 2021	-	Indigenous
56	IS 1493 (Part 12):2025	Methods of chemical analysis of iron ores: Part 12 Determination of various elements — Inductively coupled plasma atomic emission spectrometric method		-	
57	IS 1493 (Part 1):2025	Methods of chemical analysis of iron ores Part 1 Determination of common constituents (Second Revision)		-	Indigenous
58	IS 1493 (Part 1):1981 ISO Reviewed In : 2021	Methods of chemical analysis of iron ores: Part 1 determination of common constituents (First Revision)	March, 2021	-	Indigenous
59	IS 1493 (Part 2):2013 ISO 2598-2 : 1992 Reviewed In : 2023 ISO 2598-2:1992	Methods of chemical analysis of iron ores: Part 2 determination of silicon content by reduced molybdosilicate spectrophotometric method	March, 2023	-	Identical under dual numbering
60	IS 1493 (Part 3):1987 Reviewed In : 2021	Methods of chemical analysis of iron ores: Part 3 determination of titanium, chromium, vanadium, calcium and magnesium by atomic absorption spectrophotometry	March, 2021	-	Indigenous
61	IS 1493 (Part 4):1988 Reviewed In : 2021	Methods of chemical analysis of iron ores: Part 4 determination of aluminium by atomic absorption spectrophotomety	March, 2021	-	Indigenous
62	IS 1493 (Part 5):2020 ISO 5418-2 : 2006 Reviewed In : 2025 ISO 5418-2 : 2006	Methods of Chemical Analysis of Iron Ores Part 5 Determination of Copper Content — Flame Atomic Absorption Spectrometric Method (First Revision)	March, 2025	-	Identical under dual numbering
63	IS 1493 (Part 6):2020 ISO 13313 : 2017 Reviewed In : 2025 ISO 13313 : 1997	Methods of Chemical Analysis of Iron Ores Part 6 Determination of Sodium Content — Flame Atomic Absorption Spectrometric Method (First Revision)	March, 2025	-	Identical under dual numbering
64	IS 1493 (Part 7):2022 ISO 13311 : 1997 ISO 13311 : 1997	Methods of chemical analysis of iron ores – Part 7 Determination of Lead Content — Flame Atomic Absorption Spectrometric Method (Second Revision)		-	Identical under dual numbering

65	IS 1493 (Part 8):2014 ISO 7834 : 1987 Reviewed In : 2023 ISO 7834 : 1987	Iron ores - Determination of arsenic content: Part 8 molybdenum blue spectrophotometric method (Second Revision)	June, 2023	-	Identical under dual numbering
66	IS 1493 (Part 9):2020 ISO 13312 : 2017 Reviewed In : 2025 ISO 13312 : 2017	Methods of Chemical Analysis of Iron Ores Part 9 Determination of Potassium Content â€" Flame Atomic Absorption Spectrometric Method (First Revision)	March, 2025	-	Identical under dual numbering
67	IS 1493 (Part 10):2022 ISO 13310 : 1997 ISO 13310 : 1997	Methods of chemical analysis of iron ores – Part 10 Determination of Zinc Content — Flame Atomic Absorption Spectrometric Method		-	Identical under dual numbering
68	IS 1493 (Part 11):2021 ISO 5418-1 ISO 5418-1	Methods of Chemical Analysis of Iron Ores – Part 11 Determination Of Copper — 2,2' Biquinolyl Spectrophotometric Method		-	Identical under dual numbering
69	IS 1527:1972 Reviewed In : 2022	Methods for chemical analysis of high silica refractory materials (First Revision)	March, 2022	-	Indigenous
70	IS 15338:2003 Reviewed In : 2023	Spectrometric analysis of cast iron by direct reading optical emission vacuum spectrometer - Point to plane technique	March, 2023	-	Indigenous
71	IS 15396:2003 Reviewed In : 2022	Chemical analysis of ferro - Silicon zirconium alloys	March, 2022	-	Indigenous
72	IS 15403:2003 Reviewed In : 2022	Method for determination of sulphur present in sponge iron after separation of non-magnetic materials	March, 2022	-	Indigenous
73	IS 1559:1961 Reviewed In : 2023	Methods of chemical analysis of ferro - Alloys	March, 2023	-	Indigenous
74	IS 1559 (Part 1):1988 Reviewed In : 2024 ISO 4158 : 1978	Methods of chemical analysis of ferro - Silicon: Part 1 determination of silicon (Second Revision)	March, 2024	-	Not Equivalent
75	IS 1559 (Part 2):2025	Methods of Chemical Analysis of Ferrosilicon Part 2 Determination of Carbon (Second Revision)		-	Indigenous
76	IS 1559 (Part 3):2025	Methods of Chemical Analysis of Ferrosilicon Part 3 Determination of Sulphur (Second Revision)		-	Indigenous
77	IS 1559 (Part 4):1982 Reviewed In : 2023	Methods of chemical analysis of ferrosilicon: Part 4 determination of phosphorus (First Revision)	March, 2023	-	Indigenous
78	IS 1559 (Part 5):2003 Reviewed In : 2024	Chemical analysis of ferrosilicon: Part 5 determination of aluminium in ferrosilicon (Aluminnjm 0.05 To 1.75 Percent) (Second Revision)	February, 2024	-	Indigenous
79	IS 1559 (Part 6):1982 Reviewed In : 2023	Methods of chemical analysis of ferrosilicon: Part 6 determination of calcium (First Rivision)	March, 2023	-	Indigenous
80	IS 1559 (Part 7):1982 Reviewed In : 2023	Methods of chemical analysis of ferrosilicon: Part 7 determination of manganese (First Revision)	March, 2023	-	Indigenous
81	IS 16134 (Part 1):2015	Iron ores - Determination of vanadium: Part 1 BPHA	March, 2021	-	Identical under dual numbering

	ISO 9683-1 : 2006 Reviewed In : 2021 ISO 9683-1:2006	spectrophotometric method			
82	IS 16743 (Part 1):2018 ISO 9516-1 : 2003 Reviewed In : 2023 ISO 9516-1:2003	Iron ores - Determination of various elements by X-ray fluorescence spectrometry: Part 1 comprehensive procedure	June, 2023	-	Identical under dual numbering
83	IS 16918:2018	Methods for chemical analysis of chrome - Magnesite and magnesite - Chrome refractories		-	Indigenous
84	IS 17131:2019 ISO 4691 : 2009 Reviewed In : 2023 ISO 4691	Iron Ores â€" Determination of Titanium â€" Diantipyrylmethane Spectrophotometric Method	June, 2023	-	Identical under dual numbering
85	IS 17319:2020 ISO 6352 : 1995 Reviewed In : 2025 ISO 6352 : 1985	Ferronickel â€" Determination of Nickel Content â€" Dimethylglyoxime Gravimetric Method	March, 2025	-	Identical under dual numbering
86	IS 17320:2020 ISO 11400 : 1992 Reviewed In : 2025 ISO 11400	Nickel, Ferronickel and Nickel Alloys â€" Determination of Phosphorus Content â€" Phosphovanadomolybdate Molecular Absorption Spectrometric Method	March, 2025	-	Identical under dual numbering
87	IS 17321:2020 ISO 8343 : 1985 Reviewed In : 2025 ISO 8343 : 1985	Ferronickel â€" Determination of Silicon Content â€" Gravimetric Method	March, 2025	-	Identical under dual numbering
88	IS 17322:2020 ISO 7527 : 1985 Reviewed In : 2025 ISO 7527 : 1985	Nickel, Ferronickel and Nickel Alloys â€" Determination of Sulfur Content â€" Iodimetric Titration Method after Induction Furnace Combustion	March, 2025	-	Identical under dual numbering
89	IS 17323:2020 ISO 7526 : 1985 Reviewed In : 2025 ISO 7526 : 1985	Nickel, Ferronickel and Nickel Alloys â€" Determination of Sulfur Content â€" Infra-Red Absorption Method After Induction Furnace Combustion	March, 2025	-	Identical under dual numbering
90	IS 17324:2020 ISO 7524 : 1985 Reviewed In : 2025 ISO 7524 : 1985	Nickel, Ferronickel and Nickel Alloys â€" Determination of Carbon Content â€" Infra-Red Absorption Method after Induction Furnace Combustion	March, 2025	-	Identical under dual numbering
91	IS 17325:2020 ISO 7520 : 1985 Reviewed In : 2025 ISO 7520	Ferronickel â€" Determination of Cobalt Content â€" Flame Atomic Absorption Spectrometric Method	March, 2025	-	Identical under dual numbering
92	IS 1760 (Part 1):2025	Chemical Analysis of Limestone, Dolomite and Allied Materials Part 1 Determination of Loss on Ignition (Second Revision)		-	Indigenous
93	IS 1760 (Part 2):2025	Chemical Analysis of Limestone, Dolomite and Allied Materials Part 2 Determination of Silica (Second Revision)		-	Indigenous
94	IS 1760 (Part 3):2025	Chemical Analysis of Limestone, Dolomite and Allied Materials Part 3 Determination of Iron Oxide,		-	Indigenous

		Alumina, Calcium Oxide and Magnesia (Second Revision)			
95	IS 1760 (Part 4):2025	Chemical Analysis of Limestone Dolomite and Allied Materials Part 4 Determination of Carbon Dioxide (Second Revision)		-	Indigenous
96	IS 1760 (Part 5):2025	Chemical Analysis of Limestone, Dolomite and Allied Materials Part 5 Determination of Chlorides (Second Revision)		-	Indigenous
97	IS 1760 (Part 6):2001 Reviewed In : 2022	Chemical analysis of limestone, dolomite and allied materials: Part 6 determination of free silica (First Revision)	March, 2022	-	Indigenous
98	IS 17835:2022 ISO 23156 : 2021 ISO 23156 : 2021	Ferronickels Determination of phosphorus manganese chromium copper and cobalt contents Inductively coupled plasma atomic emission spectrometric method		-	Identical under dual numbering
99	IS 1917 (Part 1):2025	Chemical Analysis of Quartzite and High Silica Sand Part 1 Determination of Loss on Ignition (Second Revision)		-	Indigenous
100	IS 1917 (Part 2):2025	Chemical Analysis of Quartzite and High Silica Sand Part 2 Determination of Sodium and Potassium by Flame Photometry (Second Revision)		-	Indigenous
101	IS 1917 (Part 3):2025	Chemical Analysis of Quartzite and High Silica Sand Part 3 Determination of Silica (Second Revision)		-	Indigenous
102	IS 1917 (Part 4):2025	Chemical Analysis of Quartzite and High Silica Sand Part 4 Determination of Aluminium by Atomic Absorption Spectrometric Method (Second Revision)		-	Indigenous
103	IS 1917 (Part 5):2025	Chemical Analysis of Quartzite and High Silica Sand Part 5 Determination of Iron by Atomic Absorption Spectrometric Method (Second Revision)		-	Indigenous
104	IS 1917 (Part 6):2025	Chemical Analysis of Quartzite and High Silica Sand Part 6 Determination of Calcium and Magnesium by Atomic Absorption Spectrometric Method (Second Revision)		-	Indigenous
105	IS 1917 (Part 7):2001 Reviewed In : 2022	Chemical analysis of quartzite and high silica sand: Part 7 determination of titania by spectrophotometric method (First Revision)	March, 2022	-	Indigenous
106	IS 1940:1969 Reviewed In : 2022	Methods of chemical analysis of tin ingot (First Revision)	March, 2022	-	Indigenous
107	IS 1952:1963 Reviewed In : 2022	Methods of chemical analysis of nickel anodes	March, 2022	1	Indigenous
108	IS 2000 (Part 1):1985	Methods of chemical analysis of bauxite: Part 1 determination of	March, 2022	-	Indigenous

	Reviewed In : 2022	loss on ignition (First Revision)			
109	IS 2000 (Part 2):1985 Reviewed In : 2022	Methods of chemical analysis of bauxite: Part 2 determination of silica (First Revision)	March, 2022	-	Indigenous
110	IS 2000 (Part 3):1985 Reviewed In : 2022	Methods of chemical analysis of bauxite: Part 3 determination of alumina (First Revision)	March, 2022	-	Indigenous
111	IS 2000 (Part 4):1985 Reviewed In : 2022	Methods of chemical analysis of bauxite: Part 4 determination of ferric oxide (First Revision)	March, 2022	-	Indigenous
112	IS 2000 (Part 5):1985 Reviewed In : 2022	Methods of chemical analysis of bauxite: Part 5 determination of titania (First Revision)	March, 2022	-	Indigenous
113	IS 2000 (Part 6):1985 Reviewed In : 2022	Methods of chemical analysis of bauxite: Part 6 determination of vanadium (First Revision)	March, 2022	-	Indigenous
114	IS 2000 (Part 7):2001 Reviewed In : 2022	Chemical analysis of bauxite: Part 7 determination of phosphorus pentoxide (First Revision)	March, 2022	-	Indigenous
115	IS 2000 (Part 8):1989 Reviewed In : 2022	Chemical analysis of bauxite: Part 8 determination of manganese by atomic absorption spectrophotometric method (First Revision)	March, 2022	-	Indigenous
116	IS 2000 (Part 9):1989 Reviewed In : 2022	Chemical analysis of bauxite: Part 9 determination of magnesium and calcium by atomic absorption spectrophotometric method (First Revision)	March, 2022	-	Indigenous
117	IS 2017:2023	Chemical Analysis of Metallic Manganese ï¿½ Methods (First Revision)		-	Indigenous
118	IS 2018:2023	Chemical Analysis of Calcium Silicon		-	Indigenous
119	IS 2020 (Part 1):1968 Reviewed In : 2023	Methods of chemical analysis of silico - Chromium: Part 1 analysis of silicon and chromium	March, 2023	-	Indigenous
120	IS 2277:1964 Reviewed In : 2023	Methods of chemical analysis of metallic silicon	March, 2023	-	Indigenous
121	IS 228 (Part 11):1990 SO 4829-2:2016	Methods for chemical analysis of steels : Part 11 determination of total silicon by reduced molybdosilicate spectrophotometric method in carbon steels and low alloy steels (For Silicon 0.01 To 0.05 Percent) (Third Revision)	March, 2024	-	Not Equivalent
122	IS 228 (Part 1):2025 (ISO 9556:1989)	Methods for Chemical Analysis of Steels Part 1 Determination of Carbon by Volumetric Method (For Carbon 0.05 to 2.50 Percent) (Fourth Revision)		-	Not Equivalent
123	IS 228 (Part 2):2024 ISO 629:1982	Methods for chemical analysis of steels Part 2 Determination of manganese in plain-carbon and low alloy steels by arsenite method (Fourth Revision)		-	Not Equivalent
124	IS 228 (Part 3):2024	Methods for chemical analysis of steels Part 3 Determination of		-	Indigenous

		phosphorus by alkalimetric method (Fourth Revision)			
125	IS 228 (Part 4):2025	Method for Chemical Analysis of Steels Part 4 Determination of Total Carbon by Gravimetric Method (for carbon ? 0.1 Percent) (Fourth Revision)		-	Indigenous
126	IS 228 (Part 5):1987 Reviewed In : 2023 ISO 4938:2016	Methods for chemical analysis of steels: Part 5 determination of nickel by dimethylglyoxime (Gravimetric) method (For Nickel)O - 1 percent) (Third Revision)	December, 2023	-	Not Equivalent
127	IS 228 (Part 6):2024 ISO 4937:1986 ISO 10138:1991	Methods for Chemical Analysis of Steels Part 6 Determination of Chromium by Persulphate Oxidation Method (for Chromium ? 0.1 percent) (Fourth Revision)		-	Not Equivalent
128	IS 228 (Part 7):2025	Methods for chemical analysis of steels Part 7 Determination of molybdenum by alpha-benzoinoxime method in alloy steels (for molybdenum > 1 percent and not containing tungsten) (Fourth Revision)		-	Indigenous
129	IS 228 (Part 8):1989 Reviewed In : 2023 ISO 439:1994	Methods for chemicalanalysisofsteels: Part 8 determination of silicon by the gravimetric method (For Silicon 0.05 To 5.00 Percent) (Third Revision)	December, 2023	-	Not Equivalent
130	IS 228 (Part 9):1989 Reviewed In : 2023	Methods for chemical analysis of steels : Part 9 determination of sulphur by evolution method (For Sulphur 0.01 To 0.25 Percent) (Third Revision)	December, 2023	-	Indigenous
131	IS 228 (Part 10):1989 Reviewed In : 2023 ISO 4941:1994	Methods for chemical analysis of steels: Part 10 determination of molybdenum by thiocyanate (Photometric) method in low and high alloy steels (For Molybdenum 0.01 To 1.50 Percent) (First Revision)	December, 2023	-	Not Equivalent
132	IS 228 (Part 12):2001 Reviewed In : 2023	Methods for chemical of steels analysis: Part 12 determination of manganese by periodate spectrophotometric method in plain carbon, low alloy and high alloy steels (For Manganese 0.01 To 5.0 Percent) (Fourth Revision)	June, 2023	-	Indigenous
133	IS 228 (Part 13):1982 Reviewed In : 2024	Methods for chemical analysis of steels: Part 13 determination of arsenic	March, 2024	-	Indigenous
134	IS 228 (Part 14):1988 Reviewed In : 2023	Methods for chemical analysis of steels: Part 14 determination of carbon by thermal conductivity method (For Carbon 0.005 To 2.000 Percent	December, 2023	-	Indigenous
135	IS 228 (Part	Methods for chemical analysis of	December, 2023	-	Not Equivalent

	15):1992 Reviewed In : 2023 ISO 4943:1985	steels: Part 15 determination of copper by thiosulphate iodide method (For Copper 0.05 To 5 Percent) (Second Revision)			
136	IS 228 (Part 16):1992 Reviewed In : 2023	Methods for chemical analysis of steels: Part 16 determination of tungsten by spectrophotometric method (For Tungsten 0.1 To 2 Percent) (Second Revision)	December, 2023	-	Indigenous
137	IS 228 (Part 17):1998 Reviewed In : 2021	Methods for chemical analysis of steels: Part 17 determination of nitrogen by thermal conductivity method (For Nitrogen Up To 0.04 Percent) (Second Revision)	March, 2021	-	Indigenous
138	IS 228 (Part 18):2025	Methods for Chemical Analysis of Steels Part 18 Determination of Oxygen by Instrumental Method (For Oxygen 0.001 to 0.100 0 percent) (Third Revision)		-	Indigenous
139	IS 228 (Part 19):1998 Reviewed In : 2021	Methods of chemical analysis of steels: Part 19 determination of nitrogen by steam distillation method (For Nitrogen 0.002 To 0.50 Percent) (Second Revision)	March, 2021	-	Indigenous
140	IS 228 (Part 20):2021 ISO 15350 : 2000	Methods for Chemical Analysis of Steels - Part 20 : Determination of Carbon and Sulphur by Infra Red Absorption Method (for Carbon 0.005 to 2 Percent and Sulphur 0.001 to 0.35 Percent)		-	Identical under dual numbering
141	IS 228 (Part 21):2003 Reviewed In : 2023 ISO 4946:2016	Methods for chemical analysis of steels: Part 21 determination of copper by spectrophotometric method (For Copper 0.02 To 0.50 Percent) (Second Revision)	June, 2023	-	Not Equivalent
142	IS 228 (Part 22):2003 Reviewed In : 2023	Methods of chemical analysis of steels: Part 22 determination of total hydrogen in steel by thermal conductivity method (Hydrogen 0.1 Ppm To 50 Ppm)	June, 2023	-	Indigenous
143	IS 228 (Part 23):2003 Reviewed In : 2023 ISO 4945:2018	Methods of chemical analysis of steels: Part 23 determination of total nitrogen in steel by optical emission spectrometer (Nitrogen 0.002 To 1.0 Percent)	June, 2023	-	Not Equivalent
144	IS 228 (Part 24):2003 Reviewed In : 2023	Methods of chemical analysis of steels: Part 24 determination of nitrogen in steel by inert gas fusion - Thermal conductivity method (Nitrogen 0.001 To 0.2 Percent)	June, 2023	-	Indigenous
145	IS 2390:1967 Reviewed In : 2022	Methods for chemical analysis of foundry nickel	March, 2022	-	Indigenous
146	IS 2411:1963 Reviewed In : 2022	Methods of chemical analysis of fluorspar (Fluorite)	March, 2022	-	Indigenous
147	IS 2599:1983 Reviewed In : 2022	Methods for spectrographic analysis purity zinc and zinc base for die castings (First Revision) of high alloys	March, 2022	-	Indigenous
148	IS 2600 (Part	Method of chemical analysis of		-	

	5):2022	zinc and zinc base alloys for die casting (Part 5) : Analysis by inductively coupled plasma emission spectrometry First Revision			
149	IS 2600 (Part 6):2022	METHODS OF CHEMICAL ANALYSIS OF ZINC AND ZINC BASE ALLOYS FOR DIE CASTINGS (PART6) DETERMINATION OF MAGNESIUM BY ATOMIC ABSORPTION SPECTROMETRIC METHOD First Revision		-	
150	IS 2600 (Part 7):2022	METHODS OF CHEMICAL ANALYSIS OF ZINC AND ZINC BASE ALLOYS FOR DIE CASTINGS PART 7 : DETERMINATION OF ALUMINIUM BY TITRIMETRIC METHOD (First Revision)		-	
151	IS 2600 (Part 1):1988 Reviewed In : 2023	Methods of chemical analysis of zinc and zinc base alloys for die castings: Part 1 determination of copper, iron, nickel, tin and thallium by spectrophotometric method (First Revision)	December, 2023	-	Indigenous
152	IS 2600 (Part 2):1988 Reviewed In : 2023	Methods of chemical analysis of zinc and zinc base alloys for die castings: Part 2 determination of copper, iron, lead and cadmium by atomic absorption spectrophotometric method (First Revision)	December, 2023	-	Indigenous
153	IS 2600 (Part 3):1993 Reviewed In : 2023	Methods of chemical analysis of zinc and zinc base alloys for die castings: Part 3 determination of indium by atomic absorption spectrometric method (First Revision)	December, 2023	-	Indigenous
154	IS 2600 (Part 4):1993 Reviewed In : 2023	Methods of chemical analysis of zinc and zinc base alloys for die castings: Part 4 determination of chromium by spectrophotometric method (First Revision J	December, 2023	-	Indigenous
155	IS 2766 (Part 1):1968 Reviewed In : 2022	Methods of chemical analysis of primary nickel: Part 1	March, 2022	-	Indigenous
156	IS 3186:2025	Methods for chemical analysis of cadmium copper (First Revision)		-	Indigenous
157	IS 3187:1965 Reviewed In : 2023	Methods of chemical analysis of Copper - Nickel - Zinc alloys	March, 2023	-	Indigenous
158	IS 3200:2001 Reviewed In : 2023	Chemical analysis of cryolite (Second Revision)	March, 2023	1	Indigenous
159	IS 3295 (Part 1):1969 Reviewed In : 2023	Methods of chemical analysis of ferro boron: Part 1 analysis for carbon, silicon and aluminium	December, 2023	-	Indigenous
160	IS 3295 (Part 2):1970	Method of chemical analysis of ferroboron: Part 2 determination of	December, 2023	1	Indigenous

	Reviewed In : 2023	boron			
161	IS 3685:1966 Reviewed In : 2023	Methods of chemical analysis of brasses	March, 2023	-	Indigenous
162	IS 3863:2024	Methods of Chemical Analysis of Copper-Tellurium Alloys (First Revision)		-	Indigenous
163	IS 4027 (Part 1):2025	Methods for Chemical Analysis of Bronzes Part 1 Determination of Copper and Lead by Electrolytic Method (Second Revision)		-	Indigenous
164	IS 4027 (Part 2):2023	Chemical analysis of bronzes ï¿½ Methods Part 2 Determination of manganese ï¿½ Photometric method		-	Indigenous
165	IS 4027 (Part 3):2025	Methods for Chemical Analysis of Bronzes Part 3 Determination of Phosphorus by Volumetric Method (Second Revision)		-	Indigenous
166	IS 4027 (Part 4):2025	Methods for Chemical Analysis of Bronzes Part 4 Determination of Nickel by Dimethylglyoxime Photometric Method (Second Revision)		-	Indigenous
167	IS 4027 (Part 5):2025	Methods for Chemical Analysis of Bronzes Part 5 Determination of Tin by Iodimetric Method (second revision)		-	Indigenous
168	IS 4027 (Part 6):2025	Methods for Chemical Analysis of Bronzes Part 6 Determination of Zinc by Complexometric EDTA Method (Second Revision)		-	Indigenous
169	IS 4027 (Part 7):2025	Methods of Chemical Analysis of Bronzes Part 7 Determination of Antimony by Rhodamine B Spectrophotometric Method (Second Revision)		-	Indigenous
170	IS 4027 (Part 8):2025	Methods for Chemical Analysis of Bronzes Part 8 Determination of Iron (Second Revision)		-	Indigenous
171	IS 4027 (Part 9):2025	Methods for Chemical Analysis of Bronzes Part 9 Determination of Aluminium by Atomic Absorption Spectrometric Method (Second Revision)		-	Indigenous
172	IS 4027 (Part 10):2000 Reviewed In : 2023	Chemical analysis of bronzes - Methods: Part 10 determination of silicon (First Revision)	March, 2023	-	Indigenous
173	IS 4027 (Part 11):2000 Reviewed In : 2023	Chemical analysis of bronzes - Methods: Part 11 determination of lead - Ethylenediamine tetraacetic acid (Edta) - Titrimetric - method (First Revision)	March, 2023	-	Indigenous
174	IS 403:1964 Reviewed In : 2021	Methqds of chemical analysis of lead and antimonial lead (Revised)	March, 2021	-	Indigenous
175	IS 406:1964 Reviewed In : 2021	Methods of chemical analysis of slab zinc (Spelter) (Revised)	March, 2021	-	Indigenous
176	IS 4104:1967 Reviewed In : 2022	Methods of chemical analysis of rutile	March, 2022	-	Indigenous
177	IS 4129:1967	Methods of chemical analysis of	March, 2022	1	Indigenous

	Reviewed In : 2022	aluminium trifluoride			
178	IS 4354 (Part 1):1967 Reviewed In : 2022	Methods of chemical analysis of magnesium - Aluminium brazing alloys: Part 1 analysis .of aluminium, manganese, zinc and silicon	March, 2022	-	Indigenous
179	IS 440:2025	Methods of Chemical Analysis of Copper (Second Revision)		-	Indigenous
180	IS 4548 (Part 1):1967 Reviewed In : 2023	Methods of chemical analysis of copper - Gold brazing alloys: Part 1 analysis of gold and copper	March, 2023	-	Indigenous
181	IS 4646 (Part 1):1968 Reviewed In : 2023	Methods of chemical analysis of copper - Phosphorus brazing alloys: Part 1 analysis for silver and copper	March, 2023	-	Indigenous
182	IS 4646 (Part 2):1976 Reviewed In : 2023	Methods of chemical analysis of copper - Phosphorus brazing alloys: Part 2 determination of phosphorus	March, 2023	-	Indigenous
183	IS 4667 (Part 1):2025	Methods of Chemical Analysis of Silver Copper Brazing Alloys Part 1 Analysis for Silver and Copper (First Revision)		-	Indigenous
184	IS 4667 (Part 2):2025	Methods for Chemical Analysis of Silver-Copper Brazing Alloys Part 2 Determination of Silver Copper and Tin (First Revision)		-	Indigenous
185	IS 4667 (Part 3):2001 Reviewed In : 2023	Chemical analysis of silver - Copper brazing alloys: Part 3 determination of nicke	March, 2023	-	Indigenous
186	IS 4667 (Part 4):2001 Reviewed In : 2023	Chemical analysis of silver - Copper brazing alloys - Part 4 determination of silver, copper, cadmium and zinc - Electolytic method	March, 2023	1	Indigenous
187	IS 504:1963 Reviewed In : 2023	Methods of chemical analysis of aluminium and its alloys (Revised)	December, 2023	-	Indigenous
188	IS 504 (Part 112):2002 Reviewed In : 2023	Chemical analysis of aluminium and its alloys parts 1 to 12 (Second Revision)	March, 2023	-	Indigenous
189	IS 504 (Part 1316):2003 Reviewed In : 2023	Chemical analysis of aluminium and its alloys parts 13 to 16 (Second Revision)	March, 2023	-	Indigenous
190	IS/ISO 5416:2006 IS 5416:2008 / ISO Reviewed In : 2023 IS 5416:2008 / ISO	Direct reduced iron - Determination of metallic Iron - Bromine - Methanol titrimetric method	June, 2023	-	Identical under single numbering
191	IS 5425 (Part 1):2025	Methods for chemical analysis of misch metal Part 1 determination of cerium (First Revision)		-	Indigenous
192	IS 5425 (Part 2):2025	Methods for Chemical Analysis of Misch Metal Part 2 Determination of Total Rare Earths (First Revision)		-	Indigenous
193	IS 5425 (Part 3):1987 Reviewed In : 2019 Reaffirmed but not taken up for revision	Methods of chemical analysis of misch metal: Part 3 determination of iron	March, 2019	-	Indigenous

194	IS 5425 (Part 4):1987 Reviewed In : 2019 Reaffirmed but not taken up for revision	Methods of chemical analysis of misch metal: Part 4 determination of aluminium	March, 2019	-	Indigenous
195	IS 5425 (Part 5):1987 Reviewed In : 2019 Reaffirmed but not taken up for revision	Method of chemical analysis of misch metal: Part 5 determination of carbon	March, 2019	-	Indigenous
196	IS 6226 (Part 1):2025	Recommendations of Apparatus for Chemical Analysis of Metals Part 1 Apparatus for Determination of Carbon by Direct Combustion (Second Revision)		-	Indigenous
197	IS 6226 (Part 2):1987 Reviewed In : 2023	Recommendations for apparatus for chemical analysis of metals: Part 2 determination of sulphur by direct combustion	December, 2023	-	Indigenous
198	IS 6516:1972 Reviewed In : 2022	Methods for chemical analysis of tin in secondary tin and lead	March, 2022	-	Indigenous
199	IS 6744 (Part 1):1972 Reviewed In : 2022	Methods of chemical analysis of ilmenite: Part 1	March, 2022	-	Indigenous
200	IS 7072:1973 Reviewed In : 2022	Glossary of terms relating to emission spectroscopy	March, 2022	-	Indigenous
201	SP 71:2012 Reviewed In : 2022 ISO/TR 9769	Compendium of method of chemical analysis of steels	March, 2022	-	Not Equivalent
202	IS 7659 (Part 1):1975 Reviewed In : 2023	Reagents and standard solutions for use in chemical analysis of metals, ores and minerals: Part 1 volumetric solutions	December, 2023	-	Indigenous
203	IS 8097:2025	Methods of chemical analysis of soft solders for jointing aluminium and aluminium alloys (First Revision)		-	Indigenous
204	IS 8811:1998 Reviewed In : 2023	Method for emission spectrometric analysis of plain carbon and low alloy steels point to plane technique (First Revision)	March, 2023	-	Indigenous
205	IS 8812 (Part 1):1978 Reviewed In : 2019 Reaffirmed but not taken up for revision	Methods of chemical analysis of hard solders for jointing aluminium and aluminium alloys: Part 1 determination of silver, copper, zinc, antimony, arsenic, iron and bismuth	March, 2019	-	Indigenous
206	IS 8812 (Part 2):1982 Reviewed In : 2019 Reaffirmed but not taken up for revision	Methods of chemical analysis of hard solders for jointing aluminium and aluminium alloys: Part 2 determination of aluminium	March, 2019	-	Indigenous
207	IS 8816:1978 Reviewed In : 2022	Methods for selection and preparation of samples for spectrographic analysis of zinc and zinc alloy ingots	March, 2022	-	Indigenous

208	IS 9386:1979 Reviewed In : 2024	Methods for chemical analysis of rock phosphate	March, 2024	-	Indigenous
209	IS 9879:1998 Reviewed In : 2021	Method for emission spectrometric analysis of austenitic and ferritic stainless steels point to plane technique (First Revision)	March, 2021	-	Indigenous
210	IS 998 (Part 1):1983 Reviewed In : 2019 Reaffirmed but not taken up for revision	Methods of chemical analysis of solders (Soft And Rosin - Cored): Part 1 determination of tin and antimony (First Revision)	March, 2019	-	Indigenous
211	IS 998 (Part 2):1983 Reviewed In : 2019 Reaffirmed but not taken up for revision	Methods of chemical analysis of solders (Soft And I&in Cored) determi tion of iron, copper and arsensc (First Revision)	March, 2019	-	Indigenous
212	IS 998 (Part 3):1983 Reviewed In : 2019 Reaffirmed but not taken up for revision	Methods of chemical analysis of solders (Soft And Rosin Cored): Part 3 determination of cadmium, zinc, aluminium, bismuth and nickel (First Revision)	March, 2019	-	Indigenous
213	IS 999:2025	Methods for Chemical Analysis of Brazing Solder (First Revision)		-	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
1	MTD 34 (26290)	Steel and Iron Determination of Arsenic Content Spectrophotometric Method
2	MTD 34 (26852)	Methods of Chemical analysis of Ferro-niobium
3	MTD 34 (26861)	Instrumental test method for testing of Pig iron
4	MTD 34 (26863)	Test Method for Determination of Manganese Chromium and Copper in ferronickel

Preliminary Draft Standards

SI. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title

1	MTD 34 (05278)	Iron ores Determination of titanium content Diantipyrymethane spectrophotometric method based on ISO 4691
2	MTD 34 (05279)	Methods of Chemical Analysis of Iron Ores Part 11 Determination Of Copper 2 2 Biquinolyl Spectrophotometric Method
3	MTD 34 (05245)	Iron ores Determination of various elements by X-ray fluorescence spectrometry Part 1 Comprehensive procedure ISO 9516-1 2003
4	MTD 34 (05219) Revision of: IS 13452:1992	METHODS OF CHEMICAL ANALYSIS OF FERROCHROMIUM
5	MTD 34 (05220) Revision of: IS 13840:1993	Chemical analysis of ferro titanium Part 1 Determination of carbon by direct combustion gravimetric method
6	MTD 34 (14307)	Ferronickel-Determination of nickel content - Dimethglroxime gravimetricmetric method
7	MTD 34 (14308)	Ferronickel - Determination of cobalt content - Flame atomic absorption spectrometric method
8	MTD 34 (14309)	Nickel Ferronickel and nickel alloys - Determination of carbon content - Infra-red absorption method after induction furnace combustion
9	MTD 34 (14310)	Nickel ferronickel and nickel alloys - Determination of sulfur content - Infra-red absorption method after induction furnace combustion
10	MTD 34 (14311)	Nickel ferronickel and nickel alloys - Determination of sulphur content - Iodimetric titration method after induction furnace combustion
11	MTD 34 (14312)	Ferronickel - Determination of silicon content - Gravimetric method
12	MTD 34 (14313)	Nickel ferronickel and nickel alloys - Determination of phosphorus content - Phosphovanadiomolybdate molecular absorption spectrometric method
13	MTD 34 (14945) Revision of: IS 1493:1993	Methods of chemical analysis of iron ores Part 7 Determination of Lead Content Flame Atomic Absorption Spectrometric Method Second Revision
14	MTD 34 (14946)	Methods of chemical analysis of iron ores Part 10 Determination of Zinc Content Flame Atomic Absorption Spectrometric Method
15	MTD 34 (14947) Revision of: IS 1493:2020	Methods of chemical analysis of iron ores Part 6 Determination of sodium contents-Flame atomic abssorption spectrometric method
16	MTD 34 (14948)	Methods of chemical analysis of iron ores Part 9 Determination of Potassium Content Flame Atomic Absorption Spectrometric Method First Revision
17	MTD 34 (14949) Revision of: IS 1493:2020	Methods of chemical analysis of iron ores Part 5 Determination of Copper Content Flame Atomic Absorption Spectrometric Method First Revision
18	MTD 34 (14950) Revision of: IS 228:2003	Steel and Iron Determination of total carbon and sulfur content Infrared absorption method after combustion in an induction furnace Routine method Based on ISO 15350 2000
19	MTD 34 (14953) Revision of: IS 14644:2020	Nickel Alloys Flame atomic absorption spectrometric analysis Part 1 Determination of cobalt chromium copper iron and manganese Based on ISO 7530-1 2015
20	MTD 34 (17781)	Ferronickels Determination of phosphorus manganese chromium copper and cobalt contents Inductively coupled plasma atomic emission spectrometric method
21	MTD 34 (18625)	Method of chemical analysis of zinc and zinc base alloys for die casting Part 5 Analysis by inductively coupled plasma emission spectrometry First Revision
22	MTD 34 (18627)	METHODS OF CHEMICAL ANALYSIS OF ZINC AND ZINC BASE ALLOYS FOR DIE CASTINGS PART6 DETERMINATION OF MAGNESIUM BY ATOMIC ABSORPTION SPECTROMETRIC METHOD First Revision
23	MTD 34 (18629)	METHODS OF CHEMICAL ANALYSIS OF ZINC AND ZINC BASE ALLOYS FOR DIE CASTINGS PART 7 DETERMINATION OF ALUMINIUM BY TITRIMETRIC METHOD First Revision
24	MTD 34 (20145) Revision of: IS 1493:1981	Methods of chemical analysis of iron ores Part 1 Determination of common constituents Second Revision
25	MTD 34 (20732) Revision of: IS 1760:1991	Chemical Analysis of Limestone Dolomite and Allied Materials Part 1 Determination of Loss on Ignition Second Revision
26	MTD 34 (20747) Revision of: IS 1760:1991	Chemical Analysis of Limestone Dolomite and Allied Materials Part 2 Determination of Silica Second Revision
27	MTD 34 (20750) Revision of: IS 1760:1992	Chemical Analysis of Limestone Dolomite and Allied Materials Part 3 Determination of Iron Oxide Alumina Calcium Oxide and Magnesia Second Revision
28	MTD 34 (20752) Revision of: IS 1760:1991	Chemical Analysis of Limestone Dolomite and Allied Materials Part 4 Determination of Carbon Dioxide Second Revision
29	MTD 34 (20753) Revision of: IS 1760:1991	Chemical Analysis of Limestone Dolomite and Allied Materials Part 5 Determination of Chlorides Second Revision
30	MTD 34 (20770) Revision of: IS 1917:1991	Chemical Analysis of Quartzite and High Silica Sand Part 1 Determination of Loss on Ignition Second Revision

31	MTD 34 (20772) Revision of: IS 1917:1991	Chemical Analysis of Quartzite and High Silica Sand Part 2 Determination of Sodium and Potassium by Flame Photometry Second Revision
32	MTD 34 (20774) Revision of: IS 1917:1992	Chemical Analysis of Quartzite and High Silica Sand Part 3 Determination of Silica Second Revision
33	MTD 34 (20775) Revision of: IS 1917:1991	Chemical Analysis of Quartzite and High Silica Sand Part 4 Determination of Aluminium by Atomic Absorption Spectrometric Method Second Revision
34	MTD 34 (20776) Revision of: IS 1917:1992	Chemical Analysis of Quartzite and High Silica Sand Part 5 Determination of Iron by Atomic Absorption Spectrometric Method Second Revision
35	MTD 34 (20817) Revision of: IS 999:1959	Methods of Chemical Analysis of Brazing Solder First Revision
36	MTD 34 (20856) Revision of: IS 1917:1992	Chemical Analysis of Quartzite and High Silica Sand Part 6 Determination of Calcium and Magnesium by Atomic Absorption Spectrometric Method Second Revision
37	MTD 34 (20874) Revision of: IS 8097:1976	Methods of chemical analysis of soft solders for jointing aluminium and aluminium alloys First Revision
38	MTD 34 (21051) Revision of: IS 4027:1987	Methods for Chemical Analysis of Bronzes Part 1 Determination of Copper and Lead by Electrolytic Method Second Revision
39	MTD 34 (21054) Revision of: IS 4027:1987	Chemical analysis of bronzes Methods Part 2 Determination of manganese Photometric method
40	MTD 34 (21055) Revision of: IS 4027:1987	Methods for Chemical Analysis of Bronzes Part 3 Determination of Phosphorus by Volumetric Method Second Revision
41	MTD 34 (21056) Revision of: IS 4027:1987	Methods for Chemical Analysis of Bronzes Part 4 Determination of Nickel by Dimethylglyoxime Photometric Method Second Revision
42	MTD 34 (21057) Revision of: IS 4027:1987	Methods for Chemical Analysis of Bronzes Part 5 Determination of Tin by Iodimetric Method second revision
43	MTD 34 (21113) Revision of: IS 4027:1987	Methods for Chemical Analysis of Bronzes Part 6 Determination of Zinc by Complexometric EDTA Method Second Revision
44	MTD 34 (21114) Revision of: IS 4027:1990	Methods of Chemical Analysis of Bronzes Part 7 Determination of Antimony by Rhodamine B Spectrophotometric Method Second Revision
45	MTD 34 (21117) Revision of: IS 4027:1991	Methods for Chemical Analysis of Bronzes Part 8 Determination of Iron Second Revision
46	MTD 34 (21119) Revision of: IS 4027:1991	Methods for Chemical Analysis of Bronzes Part 9 Determination of Aluminium by Atomic Absorption Spectrometric Method Second Revision
47	MTD 34 (21315) Revision of: IS 2017:1967	Chemical Analysis of Metallic Manganese Methods First Revision
48	MTD 34 (21322) Revision of: IS 2018:1998	Chemical Analysis of Calcium Silicon
49	MTD 34 (21371) Revision of: IS 228:1987	Methods for chemical analysis of steels Part 2 Determination of manganese in plain-carbon and low alloy steels by arsenite method Fourth Revision
50	MTD 34 (21384) Revision of: IS 228:1987	Methods for chemical analysis of steels Part 3 Determination of phosphorus by alkalimetric method Fourth Revision
51	MTD 34 (21385) Revision of: IS 228:1987	Method for Chemical Analysis of Steels Part 4 Determination of Total Carbon by Gravimetric Method for carbon 0 1 Percent Fourth Revision
52	MTD 34 (21392) Revision of: IS 228:1987	Methods for Chemical Analysis of Steels Part 6 Determination of Chromium by Persulphate Oxidation Method for Chromium 0 1 percent Fourth Revision
53	MTD 34 (21393) Revision of: IS 228:1990	Methods for chemical analysis of steels Part 7 Determination of molybdenum by alpha-benzoinoxime method in alloy steels for molybdenum 1 percent and not containing tungsten Fourth Revision
54	MTD 34 (21394) Revision of: IS 228:1998	Methods for Chemical Analysis of Steels Part 18 Determination of Oxygen by Instrumental Method For Oxygen 0 001 to 0 100 0 percent Third Revision
55	MTD 34 (21395) Revision of: IS 3186:1965	Methods for chemical analysis of cadmium copper First Revision
56	MTD 34 (21396) Revision of: IS 3863:1966	Methods of chemical analysis of copper-tellurium alloys First Revision
57	MTD 34 (21468) Revision of: IS 12308:1987	Methods for chemical analysis of cast iron and pig iron Part 1 Determination of total carbon by thermal conductivity method for carbon 1 00 percent to 4 50 percent First Revision
58	MTD 34 (21469) Revision of: IS 12308:1987	Methods for chemical analysis of cast iron and pig iron Part 2 Determination of sulphur by iodimetric titration after combustion for sulphur 0 005 percent to 0 25 percent First Revision
59	MTD 34 (21470) Revision of: IS 12308:1987	Methods for chemical analysis of cast iron and pig iron Part 3 Determination of manganese by periodate spectrophotometric method for manganese 0 1 percent to 2 5 percent First Revision

60	MTD 34 (21472) Revision of: IS 12308:1991	Methods for chemical analysis of cast iron and pig iron Part 5 Determination of phosphorus by alkalimetric method for phosphorus 0 01 percent to 0 50 percent First Revision
61	MTD 34 (21474) Revision of: IS 12308:1991	Methods for chemical analysis of cast iron and pig iron Part 6 Determination of silicon by gravimetric method for silicon 0 1 percent to 6 0 percent First Revision
62	MTD 34 (21487) Revision of: IS 12308:1991	Methods for chemical analysis of cast iron and pig iron Part 7 Determination of nickel by dimethyl-glyoxime gravimetric method for nickel 0 5 percent to 36 percent First Revision
63	MTD 34 (21488) Revision of: IS 12308:1997	Methods for chemical analysis of cast iron and pig iron Part 8 Determination of chromium by persulphate oxidation method for chromium 0 1 percent to 28 percent First Revision
64	MTD 34 (21489) Revision of: IS 12308:1991	Methods for chemical analysis of cast iron and pig iron Part 10 Determination of manganese by arsenite Volumetric Method up to 7 0 percent First Revision
65	MTD 34 (21490) Revision of: IS 12308:1991	Methods for chemical analysis of cast iron and pig iron Part 11 Determination of total carbon by the direct combustion volumetric method for carbon 1 50 percent to 4 50 percent First Revision
66	MTD 34 (21491) Revision of: IS 12308:1992	Methods for chemical analysis of cast iron and pig iron Part 12 Determination of copper by atomic absorption spectrometric method for copper 0 01 percent to 0 5 percent First Revision
67	MTD 34 (21492) Revision of: IS 12308:1992	Methods for Chemical Analysis of Cast Iron and Pig Iron Part 13 Determination of Magnesium by Atomic Absorption Spectrometric Method For Magnesium up to 0 1 Percent First Revision
68	MTD 34 (21954) Revision of: IS 6226:1994	Recommendations of Apparatus for Chemical Analysis of Metals Part 1 Apparatus for Determination of Carbon by Direct Combustion Second Revision
69	MTD 34 (21955) Revision of: IS 5425:1969	Methods for chemical analysis of misch metal Part 1 determination of cerium First Revision
70	MTD 34 (21956) Revision of: IS 5425:1984	Methods for Chemical Analysis of Misch Metal Part 2 Determination of Total Rare Earths First Revision
71	MTD 34 (21958) Revision of: IS 4667:1968	Methods of Chemical Analysis of Silver Copper Brazing Alloys Part 1 Analysis for Silver and Copper First Revision
72	MTD 34 (21959) Revision of: IS 4667:1969	Methods for Chemical Analysis of Silver-Copper Brazing Alloys Part 2 Determination of Silver Copper and Tin First Revision
73	MTD 34 (22153) Revision of: IS 228:1987	Methods for Chemical Analysis of Steels Part 1 Determination of Carbon by Volumetric Method For Carbon 0 05 to 2 50 Percent Fourth Revision
74	MTD 34 (22190) Revision of: IS 440:1964	Methods of Chemical Analysis of Copper Second Revision
75	MTD 34 (22195) Revision of: IS 1559:1982	Methods of Chemical Analysis of Ferrosilicon Part 2 Determination of Carbon Second Revision
76	MTD 34 (22196) Revision of: IS 1559:1982	Methods of Chemical Analysis of Ferrosilicon Part 3 Determination of Sulphur Second Revision
77	MTD 34 (26858)	Methods for Chemical Analysis of Steels Part 28 Determination of Nickel Dimethylglyoxime Spectrophotometric Method
78	MTD 34 (26860)	Methods for Chemical Analysis of Steels Part 8 Determination of Silicon Content Gravimetric method Fourth Revision
79	MTD 34 (26862)	Methods of chemical analysis of zinc and zinc base alloys for die castings Part 8 Analysis of Solid Samples by Optical Emission Spectrometry
80	MTD 34 (28531)	Methods for chemical analysis of steels Part 25 Determination of sulphur content Infrared absorption method after combustion in an induction furnace
81	MTD 34 (28533)	Methods of chemical analysis of iron ores Part 12 Determination of various elements Inductively coupled plasma atomic emission spectrometric method
82	MTD 34 (28534)	Methods for chemical analysis of steels Part 26 Determination of nickel content Flame atomic absorption spectrometric method
83	MTD 34 (28535)	Methods for Chemical Analysis of Steels Part 27 Determination of Silicon Content Inductively Coupled Plasma Atomic Emission Spectrometric Method
84	MTD 34 (33696)	Nickel Ferronickel and Nickel Alloys - Determination of Phosphorus Content -Phosphovanadomolybdate Molecular Absorption Spectrometric Method
85	MTD 34 (33752)	Methods for chemical analysis of steels Part 11 determination of total silicon by reduced molybdosilicate spectrophotometric method in carbon steels and low alloy steels For Silicon 0 01 To 0 05 Percent Third Revision
86	MTD 34 (33758)	Methods for Chemical Analysis of Steels Part 29 Determination of Arsenic Content Spectrophotometric Method
87	MTD 34 (33759)	Methods for Chemical Analysis of Steels Part 30 Determination of Copper Content Flame Atomic Absorption Spectrometric Method
88	MTD 34 (33760)	Methods for Chemical Analysis of Steels Part 31 Determination of Mo Nb and W Contents in Alloyed Steel Inductively Coupled Plasma Atomic Emission Spectrometric Method Determination

		of Mo Content
89	MTD 34 (33761)	Methods for Chemical Analysis of Steels Part 32 Determination of Mo Nb and W Contents in Alloyed Steel Inductively Coupled Plasma Atomic Emission Spectrometric MethodPart 2 Determination of Nb Content
90	MTD 34 (33762)	Methods for Chemical Analysis of Steels Part 33 Determination of Mo Nb and W Contents in Alloyed Steel Inductively Coupled Plasma Atomic Emission Spectrometric Method Determination of W Content
91	MTD 34 (33764)	Methods for Chemical Analysis of Steels Part 34 Determination of Aluminium Content Flame Atomic Absorption Spectrometric Method
92	MTD 34 (33766)	Methods for Chemical Analysis of Steels Part 35 Determination of Vanadium Content N-BPHA Spectrophotometric Method
93	MTD 34 (33768)	Methods for Chemical Analysis of Steels Part 36 Determination of Cobalt Content Flame Atomic Absorption Spectrometric Method
94	MTD 34 (33769)	Methods for Chemical Analysis of Steels Part 37 Determination of Titanium Content Diantipyrylmethane Spectrophotometric Method
95	MTD 34 (33770)	Methods for Chemical Analysis of Steels Part 38 Determination of boron content Curcumin spectrophotometric method
96	MTD 34 (33771)	METHODS OF CHEMICAL ANALYSIS OF ZINC AND ZINC BASE ALLOYS FOR DIE CASTINGS PART 7 DETERMINATION OF ALUMINIUM BY TITRIMETRIC METHOD First Revision
97	MTD 34 (33772)	Methods of chemical analysis of zinc and zinc base alloys for die castings Part 6 Determination of Magnesium Content Flame Atomic Absorption Spectrometric Method
98	MTD 34 (33773)	Method of chemical analysis of zinc and zinc base alloys for die casting Part 5 Analysis by inductively coupled plasma emission spectrometry First Revision
99	MTD 34 (33774)	Methods of Chemical Analysis of Iron Ores Part 13 Determination of Trace Elements Plasma Spectrometric Method

Total Published Standards:212 Total Standards Under development:103

Aspect Wise Report

Product : 0
Code of Practices : 3
Methods of Test : 202
Terminology : 2
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 1
Service Specification : 0
Process Specification : 0
Unclassified : 4

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 13452 (Part 1):1992 Reviewed In : 2018	Chemical analysis of ferrochromium Part 1 determination of silicon in high carbon ferrochromium by gravimetric method
2	IS 13452 (Part 2):1992 Reviewed In : 2018	Chemical analysis of ferrochromtum Part 2 determination of silicon in low carbon ferrochromium by gravimetric method
3	IS 13452 (Part 3):1992 Reviewed In : 2018	Chemical Analysis of Ferro Chromium - Part-3 Determination of Phosphorous in low carbon Ferro chromium by Spectrophotometric method
4	IS 13452 (Part 4):1992 Reviewed In : 2018	Chemical analysis of ferrochromium Part 4 determination of total sulphur in low carbon and high carbon ferrochromium by direct combustion method
5	IS 13452 (Part 5):2003 Reviewed In : 2018	Chemical analysis of ferrochromium Part 5 determination of chromium in high carbon ferrochromium chargechrome by dichromatetitration First Revision
6	IS 13452 (Part 6):1997 Reviewed In : 2018	Chemical analysis of ferrochromium Part 6 determination of chromium in low carbon ferrochromium
7	IS 13452 (Part 7):2003	Chemical analysis of ferrochromium Part 7 determination of phosphorus in ferrocliRomium

	Reviewed In : 2019	chargechrome by alkalimetric method
8	IS 13840 (Part 1):1993 Reviewed In : 2019	Chemical analysis of ferrotitanium Part 1 determination of carbon by the direct combustion gravimetric method
9	IS 13840 (Part 2):1993 Reviewed In : 2019	Chemical analysis of ferrotitanium Part 2 determination of silicon by gravimetric method
10	IS 13840 (Part 3):1993 Reviewed In : 2019 ISO 7692:1983	Chemical analysis of ferrotitanium Part 3 determination of titanium by cupferron Gravimetric method
11	IS 13840 (Part 4):1998 Reviewed In : 2019	Chemical analysis of ferrotitanium Part 4 determination of aluminium by cupferron Gravimetric method
12	IS 13840 (Part 5):1998 Reviewed In : 2019 ISO 4140:1979	Chemical analysis of ferrotitanium Part 5 determination of sulphur by direct combustion method
13	IS 13840 (Part 6):1998 Reviewed In : 2019	Chemical analysis of ferrotitanium Part 6 determination of titanium by X-ray fluorescence spectrometric method
14	IS 14644 (Part 2):1998 ISO 7530-2:1990 Reviewed In : 2017 ISO 7530-2:1990	Nickel alloys - Flame atomic absorption spectrometric analysis - Method Part 2 determination of cobalt content
15	IS 14644 (Part 3):1998 ISO 7530-3:1990 Reviewed In : 2017 ISO 7530-3:1990	Nickel alloys - Flame atomic absorption spectrometric analysis - Method Part 3 determination of chromium content
16	IS 14644 (Part 4):1998 ISO 7530-4:1990 Reviewed In : 2017 ISO 7530-4:1990	Nickel alloys - Flame atomic absorption spectrometric analysis - Method Part 4 determination of copper content
17	IS 14644 (Part 5):1998 ISO 7530-5:1990 Reviewed In : 2017 ISO 7530-5:1990	Nickel alloys - Flame atomic absorption spectrometric analysis - Method Part 5 determination of iron content
18	IS 14644 (Part 6):1998 ISO 7530-6:1990 Reviewed In : 2017 ISO 7530-6:1990	Nickel alloys - Flame atomic absorption spectrometric analysis - Method Part 6 determination of manganese content
19	IS 7658:1975 Reviewed In : 2019	Method of spectrographic analysis of aluminium

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
No Records Found		