



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

NEPTUNE METALLURGICAL LABORATORIES LLP, 3, C WING, 1ST FLOOR,
ASHOKA VIHAR, XLO POINT, MIDC, AMBAD, NASHIK, MAHARASHTRA,
INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6569

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Validity 25/07/2025 to 24/07/2029

Last Amended on -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Testing				
1	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium (Cr)	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper (Cu)	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron (Fe)	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead (Pb)	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium (Mg)	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese (Mn)	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel (Ni)	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon (Si)	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin (Sn)	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium (Ti)	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc (Zn)	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Aluminium (Al)	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Aluminium (Al)	IS 8811(RA 2018)
14	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Boron (B)	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Carbon (C)	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Carbon (C)	IS 8811(RA 2018)
17	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Chromium (Cr)	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Chromium (Cr)	IS 8811(RA 2018)
19	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Copper (Cu)	ASTM E415



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20	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Copper (Cu)	IS 8811(RA 2018)
21	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Lead (Pb)	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Manganese (Mn)	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Manganese (Mn)	IS 8811(RA 2018)
24	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Molybdenum (Mo)	ASTM E415
25	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Molybdenum (Mo)	IS 8811(RA 2018)
26	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Nickel (Ni)	ASTM E415
27	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Nickel (Ni)	IS 8811(RA 2018)
28	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Nitrogen (N)	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Phosphorus (P)	ASTM E415
30	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Phosphorus (P)	IS 8811(RA 2018)
31	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Silicon (Si)	ASTM E415
32	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Silicon (Si)	IS 8811(RA 2018)
33	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Sulphur (S)	ASTM E415
34	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Sulphur (S)	IS 8811(RA 2018)
35	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Vanadium (V)	ASTM E415
36	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy steel	Vanadium (V)	IS 8811(RA 2018)
37	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon (C)	ASTM E1999
38	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon (C)	IS 15338 (RA 2023)
39	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon (C)	JIS G1253



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40	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium (Cr)	ASTM E1999
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium (Cr)	IS 15338 (RA 2023)
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium (Cr)	JIS G1253
43	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper (Cu)	ASTM E1999
44	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper (Cu)	IS 15338 (RA 2023)
45	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper (Cu)	JIS G1253
46	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese (Mn)	ASTM E1999
47	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese (Mn)	IS 15338 (RA 2023)
48	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese (Mn)	JIS G1253
49	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel (Ni)	ASTM E1999
50	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel (Ni)	IS 15338 (RA 2023)
51	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel (Ni)	JIS G1253
52	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus (P)	ASTM E1999
53	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus (P)	IS 15338 (RA 2023)
54	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus (P)	JIS G1253
55	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon (Si)	ASTM E1999
56	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon (Si)	IS 15338 (RA 2023)
57	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon (Si)	JIS G1253
58	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur (S)	ASTM E1999
59	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur (S)	IS 15338 (RA 2023)



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60	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur (S)	JIS G1253
61	CHEMICAL- METALS & ALLOYS	Copper & Copper alloys	Aluminium (Al)	BS EN 15079
62	CHEMICAL- METALS & ALLOYS	Copper & Copper alloys	Antimony (Sb)	BS EN 15079
63	CHEMICAL- METALS & ALLOYS	Copper & Copper alloys	Arsenic (As)	BS EN 15079
64	CHEMICAL- METALS & ALLOYS	Copper & Copper alloys	Beryllium (Be)	BS EN 15079
65	CHEMICAL- METALS & ALLOYS	Copper & Copper alloys	Bismuth (Bi)	BS EN 15079
66	CHEMICAL- METALS & ALLOYS	Copper & Copper alloys	Cobalt (Co)	BS EN 15079
67	CHEMICAL- METALS & ALLOYS	Copper & Copper alloys	Iron (Fe)	BS EN 15079
68	CHEMICAL- METALS & ALLOYS	Copper & Copper alloys	Lead (Pb)	BS EN 15079
69	CHEMICAL- METALS & ALLOYS	Copper & Copper alloys	Manganese (Mn)	BS EN 15079
70	CHEMICAL- METALS & ALLOYS	Copper & Copper alloys	Nickel (Ni)	BS EN 15079
71	CHEMICAL- METALS & ALLOYS	Copper & Copper alloys	Phosphorus (P)	BS EN 15079
72	CHEMICAL- METALS & ALLOYS	Copper & Copper alloys	Silicon (Si)	BS EN 15079
73	CHEMICAL- METALS & ALLOYS	Copper & Copper alloys	Tin (Sn)	BS EN 15079
74	CHEMICAL- METALS & ALLOYS	Copper & Copper alloys	Zinc (Zn)	BS EN 15079
75	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium (Al)	JIS G1253
76	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Boron (B)	JIS G1253
77	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon (C)	JIS G1253
78	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium (Cr)	JIS G1253
79	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper (Cu)	JIS G1253



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80	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Lead (Pb)	JIS G1253
81	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese (Mn)	JIS G1253
82	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum (Mo)	JIS G1253
83	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel (Ni)	JIS G1253
84	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nitrogen (N)	JIS G1253
85	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus (P)	JIS G1253
86	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon (Si)	JIS G1253
87	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur (S)	JIS G1253
88	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium (V)	JIS G1253
89	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	ASTM E1086
90	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	IS 9879 (RA 2021)
91	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	JIS G1253
92	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	ASTM E1086
93	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	IS 9879 (RA 2021)
94	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	JIS G1253
95	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	ASTM E1086
96	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	IS 9879 (RA 2021)
97	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	JIS G1253
98	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	ASTM E1086
99	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	IS 9879 (RA 2021)



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100	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	JIS G1253
101	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	ASTM E1086
102	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	IS 9879 (RA 2021)
103	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	JIS G1253
104	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	ASTM E1086
105	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	IS 9879 (RA 2021)
106	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	JIS G1253
107	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen (N)	JIS G1253
108	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	ASTM E1086
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	IS 9879 (RA 2021)
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	JIS G1253
111	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	ASTM E1086
112	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	IS 9879 (RA 2021)
113	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	JIS G1253
114	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	ASTM E1086
115	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	IS 9879 (RA 2021)
116	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	JIS G1253
117	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon (C)	JIS G1253
118	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium (Cr)	JIS G1253
119	CHEMICAL- METALS & ALLOYS	Tool Steel	Cobalt (Co)	JIS G1253



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120	CHEMICAL- METALS & ALLOYS	Tool Steel	Copper (Cu)	JIS G1253
121	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese (Mn)	JIS G1253
122	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum (Mo)	JIS G1253
123	CHEMICAL- METALS & ALLOYS	Tool Steel	Nickel (Ni)	JIS G1253
124	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorus (P)	JIS G1253
125	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon (Si)	JIS G1253
126	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur (S)	JIS G1253
127	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten (W)	JIS G1253
128	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium (V)	JIS G1253
129	CHEMICAL- METALS & ALLOYS	Zinc and Zinc alloys	Aluminium (Al)	ISO 3815-1
130	CHEMICAL- METALS & ALLOYS	Zinc and Zinc alloys	Cadmium (Cd)	ISO 3815-1
131	CHEMICAL- METALS & ALLOYS	Zinc and Zinc alloys	Copper (Cu)	ISO 3815-1
132	CHEMICAL- METALS & ALLOYS	Zinc and Zinc alloys	Iron (Fe)	ISO 3815-1
133	CHEMICAL- METALS & ALLOYS	Zinc and Zinc alloys	Lead (Pb)	ISO 3815-1
134	CHEMICAL- METALS & ALLOYS	Zinc and Zinc alloys	Magnesium (Mg)	ISO 3815-1
135	CHEMICAL- METALS & ALLOYS	Zinc and Zinc alloys	Tin (Sn)	ISO 3815-1
136	MECHANICAL- METALLOGRAPHY TEST	All Ferrous materials alloys & all Wrought, Forged & Cast products of Plain Carbon, Alloy, Stainless, Tool Steel, Cast Iron, etc.	Microstructure Phase Analysis by Comparison method	ASM Handbook Vol 9
137	MECHANICAL- METALLOGRAPHY TEST	All Non Ferrous materials alloys & all Wrought, Forged & Cast products	Microstructure Phase Analysis by Comparison method	ASM Handbook Vol 9
138	MECHANICAL- METALLOGRAPHY TEST	Ferrous materials alloys & products	Average Grain Size by comparison method	ASTM E112
139	MECHANICAL- METALLOGRAPHY TEST	Ferrous materials alloys & products	Average Grain Size by comparison method	IS 4748

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140	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials alloys & products	Determination of Non-metallic Inclusion by comparison method	IS 4163
141	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials alloys & products	Determination of total case depth by microscopic method	IS 6416
142	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials alloys & products	Micro structure analysis - phase by Image analyser	ASTM E1245(R16)
143	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials alloys & products	Microstructure of Cast Irons - Evaluating nodularity in SGCI	IS 7754 Part 4
144	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials alloys & products	Microstructure of Cast Irons - Graphite classification by Image analysis	IS 7754 Part 2
145	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials alloys & products	Microstructure of Cast Irons - Graphite classification by Visual analysis	IS 7754 Part 1
146	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials alloys & products	Microstructure of Cast Irons - Matrix Structure	IS 7754 Part 3
147	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials: Carbon and alloy steels wrought products	Macroetch testing, Inspection & Rating of wrought steel products	IS 11371
148	MECHANICAL-METALLOGRAPHY TEST	Other non-ferrous metals, alloys & products	Average Grain Size by comparison method	ASTM E112
149	MECHANICAL-METALLOGRAPHY TEST	Other non-ferrous metals, alloys & products	Micro structure analysis - phase by Image analyser	ASTM E1245(R16)
150	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens (Ferrous & Non ferrous)	Macroetch test for weld parameters	ASME Sec IX (QW 183 & QW 184)
151	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens (Ferrous & Non ferrous)	Macroetch test for weld penetration parameters by Image Analyser	ASME Sec IX (QW 183 & QW 184)
152	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens (Ferrous & Non ferrous)	Micro structure analysis - phase by Image analyser	ASTM E1245(R16)



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Permanent Site Facility				
1	MECHANICAL-MECHANICAL PROPERTIES OF METALS	All Ferrous and Non-ferrous materials, alloys & products	Vickers Hardness Test HV10	IS 1501 Pt 1
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	All Ferrous and Non-ferrous materials, alloys & products	Vickers Hardness Test HV5	IS 1501 Pt 1
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	ASTM A370
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	IS 1599
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness test 10/3000 HBW	ASTM A370
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness test 10/3000 HBW	IS 1500 Pt 1 (RA 2024)
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness test 2.5/187.5 HBW	IS 1500 Pt 1 (RA 2024)
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy V-notch Impact test (at Ambient to -70 degree C temperature)	IS 1757 Pt 1
9	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy V-notch Impact test (Ref code IS 1757 Pt1-20)(at Ambient to -70 degree C temperature)	ASTM A370
10	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness - HRA	ASTM A370
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness - HRA	IS 1586 Pt 1 (RA 2023)
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness - HRBW	ASTM A370
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness - HRBW	IS 1586 Pt 1 (RA 2023)
14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness - HRC	ASTM A370

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15	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness - HRC	IS 1586 Pt 1 (RA 2023)
16	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile test - % Elongation	ASTM A370
17	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile test - % Elongation	IS 1608 Pt 1
18	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile test - % Reduction in Area	ASTM A370
19	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile test - % Reduction in Area	IS 1608 Pt 1
20	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile test - 0.2% Proof Stress with extensometer	ASTM A370
21	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile test - 0.2% Proof Stress with extensometer	IS 1608 Pt 1
22	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile test - Ultimate Tensile Strength	ASTM A370
23	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile test - Ultimate Tensile Strength	IS 1608 Pt 1
24	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile test - Yield Stress	ASTM A370
25	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile test - Yield Stress	IS 1608 Pt 1
26	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products (Tubular)	Drift Expanding test	ASTM A370
27	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products (Tubular)	Drift Expanding test	IS 2335 (RA 2022)
28	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products (Tubular)	Flattening test	ASTM A370



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

NEPTUNE METALLURGICAL LABORATORIES LLP, 3, C WING, 1ST FLOOR,
ASHOKA VIHAR, XLO POINT, MIDC, AMBAD, NASHIK, MAHARASHTRA,
INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6569

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Validity 25/07/2025 to 24/07/2029

Last Amended on -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
29	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products (Tubular)	Flattening test	IS 2328 (RA 2023)
30	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other non-ferrous metals, alloys & products	Bend Test	IS 1599
31	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other non-ferrous metals, alloys & products	Brinell Hardness test 10/3000 HBW	IS 1500 Pt 1 (RA 2024)
32	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other non-ferrous metals, alloys & products	Brinell Hardness test 2.5/187.5 HBW	IS 1500 Pt 1 (RA 2024)
33	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other non-ferrous metals, alloys & products	Charpy V-notch Impact test (at Ambient to -70 degree C temperature)	IS 1757 Pt 1
34	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other non-ferrous metals, alloys & products	Rockwell Hardness - HRA	IS 1586 Pt 1 (RA 2023)
35	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other non-ferrous metals, alloys & products	Rockwell Hardness - HRBW	IS 1586 Pt 1 (RA 2023)
36	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other non-ferrous metals, alloys & products	Rockwell Hardness - HRC	IS 1586 Pt 1 (RA 2023)
37	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other non-ferrous metals, alloys & products	Tensile test - % Elongation	IS 1608 Pt 1
38	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other non-ferrous metals, alloys & products	Tensile test - % Reduction in Area	IS 1608 Pt 1
39	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other non-ferrous metals, alloys & products	Tensile test - 0.2% Proof Stress with extensometer	IS 1608 Pt 1
40	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other non-ferrous metals, alloys & products	Tensile test - Ultimate Tensile Strength	IS 1608 Pt 1
41	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other non-ferrous metals, alloys & products	Tensile test - Yield Stress	IS 1608 Pt 1
42	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other non-ferrous metals, alloys & products (Tubular)	Drift Expanding test	IS 2335 (RA 2022)



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43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other non-ferrous metals, alloys & products (Tubular)	Flattening test	IS 2328 (RA 2023)
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded test specimen (Ferrous & Non-ferrous)	Fracture test	ASME Sec IX (QW 182)
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded test specimen (Ferrous & Non-ferrous)	Guided Bend Test	ASME Sec IX (QW 160)
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded test specimen (Ferrous & Non-ferrous)	Macro Examination	ASME Sec IX (QW 183, QW 184, QW 196.1, QW 197.1)
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded test specimen (Ferrous & Non-ferrous)	Rockwell Hardness - HRA	IS 1586 Pt 1 (RA 2023)
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded test specimen (Ferrous & Non-ferrous)	Rockwell Hardness - HRBW	IS 1586 Pt 1 (RA 2023)
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded test specimen (Ferrous & Non-ferrous)	Rockwell Hardness - HRC	IS 1586 Pt 1 (RA 2023)
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded test specimen (Ferrous & Non-ferrous)	Tension Test UTS	ASME Sec IX (QW 150, QW 196.2, QW 197.1)
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded test specimen (Ferrous & Non-ferrous)	Toughness test (at Ambient to -70 degree C temperature)	ASME Sec IX (QW 171)