National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : RITES NORTHERN REGION LABORATORY, PLOT NO 466, SECTOR 68, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 25/08/2021 to 24/08/2023 **Last Amended on** 13/03/2023

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 Facility				
1	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Aluminium (Al)	JIS G1253
2	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Boron (B)	ASTM E 415
3	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Boron (B)	JIS G 1253
4	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Carbon (C)	ASTM E 415
5	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Carbon (C)	IS 8811
6	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Chromium (Cr)	ASTM E 415
7	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Chromium (Cr)	JIS G1253
8	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Copper (Cu)	ASTM E 415
9	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Copper (Cu)	JIS G1253
10	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Manganese (Mn)	ASTM E 415
11	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Manganese (Mn)	IS 8811
12	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Manganese (Mn)	JIS G1253
13	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Molybdenum (Mo)	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Molybdenum (Mo)	JIS G1253
15	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Nickel (Ni)	ASTM E 415
16	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Nickel (Ni)	JIS G 1253
17	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Phosphorous (P)	ASTM E 415
18	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Phosphorous (P)	JIS G1253

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Validity 25/08/2021 to 24/08/2023 **Last Amended on** 13/03/2023

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
19	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Silicon (Si)	ASTM E 415
20	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Silicon (Si)	IS 8811
21	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Silicon (Si)	JIS G1253
22	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Sulphur (S)	ASTM E 415
23	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Vanadium (V)	JIS G1253
24	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base High Speed Tool Steel (by Spectro)	Carbon (C)	JIS G1253
25	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base High Speed Tool Steel (by Spectro)	Chromium (Cr)	JIS G 1253
26	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base High Speed Tool Steel (by Spectro)	Cobalt (Co)	JIS G 1253
27	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base High Speed Tool Steel (by Spectro)	Manganese (Mn)	JIS G1253
28	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base High Speed Tool Steel (by Spectro)	Molybdenum (Mo)	ASTME 1086
29	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base High Speed Tool Steel (By Spectro)	Molybdenum (Mo)	JIS G1253
30	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base High Speed Tool Steel (by Spectro)	Phosphorous (P)	JIS G 1253
31	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base High Speed Tool Steel (by Spectro)	Silicon	JIS G1253
32	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base High Speed Tool Steel (by Spectro)	Sulphur (S)	JIS G 1253
33	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base High Speed Tool Steel (By Spectro)	Tungsten (W)	JIS G1253
34	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base High Speed Tool Steel (By Spectro)	Vanadium (V)	JIS G 1253
35	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Carbon (C)	JIS G1253
36	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Low alloy Steel & Plain Carbon Steel (by Spectro)	Sulphur (S)	JIS G1253
37	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Aluminium (Al)	ASTM E1086

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38	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Aluminium (Al)	JIS G 1253
39	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Carbon (C)	ASTM E 1086
40	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Carbon (C)	IS 9879
41	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Carbon (C)	JIS G 1253
42	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Chromium (Cr)	JIS G 1253
43	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Cobalt (Co)	JIS G 1253
44	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Copper (Cu)	JIS G 1253
45	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Manganese (Mn)	ASTM E 1086
46	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Manganese (Mn)	IS 9879
47	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Manganese (Mn)	JIS G 1253
48	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Molybdenum (Mo)	ASTM E 1086
49	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Molybdenum (Mo)	IS 9879
50	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Molybdenum (Mo)	JIS G 1253
51	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Nickel (Ni)	JIS G 1253
52	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Phosphorous (P)	ASTM E 1086
53	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Phosphorous (P)	IS 9879
54	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Phosphorous (P)	JIS G 1253
55	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Silicon (Si)	ASTM E 1086
56	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Silicon (Si)	IS 9879

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57	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Silicon (Si)	JIS G 1253
58	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Sulphur (S)	ASTM E 1086
59	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Sulphur (S)	IS 9879
60	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Sulphur (S)	JIS G 1253
61	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Titanium (Ti)	JIS G 1253
62	CHEMICAL- METALS & ALLOYS	Ferrous: Iron Base Stainless Steel (By Spectro)	Vanadium (V)	JIS G 1253
63	CHEMICAL- METALS & ALLOYS	Non Ferrous: Aluminum Base Pure Aluminum, Aluminum Alloy (By Spectro)	Chromium (Cr)	ASTM E 1251
64	CHEMICAL- METALS & ALLOYS	Non Ferrous: Aluminum Base Pure Aluminum, Aluminum Alloy (By Spectro)	Copper (Cu)	ASTM E 1251
65	CHEMICAL- METALS & ALLOYS	Non Ferrous: Aluminum Base Pure Aluminum, Aluminum Alloy (By Spectro)	Iron (Fe)	ASTM E 1251
66	CHEMICAL- METALS & ALLOYS	Non Ferrous: Aluminum Base Pure Aluminum, Aluminum Alloy (By Spectro)	Magnesium (Mg)	ASTM E 1251
67	CHEMICAL- METALS & ALLOYS	Non Ferrous: Aluminum Base Pure Aluminum, Aluminum Alloy (By Spectro)	Manganese (Mn)	ASTM E 1251
68	CHEMICAL- METALS & ALLOYS	Non Ferrous: Aluminum Base Pure Aluminum, Aluminum Alloy (By Spectro)	Silicon (Si)	ASTM E 1251
69	CHEMICAL- METALS & ALLOYS	Non Ferrous: Aluminum Base Pure Aluminum, Aluminum Alloy (By Spectro)	Titanium (Ti)	ASTM E 1251
70	CHEMICAL- METALS & ALLOYS	Non Ferrous: Aluminum Base Pure Aluminum, Aluminum Alloy (By Spectro)	Zinc (Zn)	ASTM E 1251
71	CHEMICAL- METALS & ALLOYS	Non Ferrous: Aluminum Base Pure Aluminum, Aluminum Alloy (By Spectro)	Lead (Pb)	ASTM E 1251
72	CHEMICAL- METALS & ALLOYS	Non Ferrous: Aluminum Base Pure Aluminum, Aluminum Alloy (By Spectro)	Nickel (Ni)	ASTM E 1251
73	CHEMICAL- METALS & ALLOYS	Non Ferrous: Aluminum Base Pure Aluminum, Aluminum Alloy (By Spectro)	Tin (Sn)	ASTM E 1251
74	CHEMICAL- METALS & ALLOYS	Non Ferrous: Copper Base Pure Copper, Cu/Zn Alloy, Cu/Sn/Pb Alloy, Cu/Al Alloy (by Spectro)	Aluminium (Al)	BS EN 15079
75	CHEMICAL- METALS & ALLOYS	Non Ferrous: Copper Base Pure Copper, Cu/Zn Alloy, Cu/Sn/Pb Alloy, Cu/Al Alloy (by Spectro)	Arsenic (As)	BS EN 15079

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76	CHEMICAL- METALS & ALLOYS	Non Ferrous: Copper Base Pure Copper, Cu/Zn Alloy, Cu/Sn/Pb Alloy, Cu/Al Alloy (by Spectro)	Bismuth (Bi)	BS EN 15079
77	CHEMICAL- METALS & ALLOYS	Non Ferrous: Copper Base Pure Copper, Cu/Zn Alloy, Cu/Sn/Pb Alloy, Cu/Al Alloy (by Spectro)	Iron (Fe)	BS EN 15079
78	CHEMICAL- METALS & ALLOYS	Non Ferrous: Copper Base Pure Copper, Cu/Zn Alloy, Cu/Sn/Pb Alloy, Cu/Al Alloy (by Spectro)	Lead (Pb)	BS EN 15079
79	CHEMICAL- METALS & ALLOYS	Non Ferrous: Copper Base Pure Copper, Cu/Zn Alloy, Cu/Sn/Pb Alloy, Cu/Al Alloy (by Spectro)	Manganese (Mn)	BS EN 15079
80	CHEMICAL- METALS & ALLOYS	Non Ferrous: Copper Base Pure Copper, Cu/Zn Alloy, Cu/Sn/Pb Alloy, Cu/Al Alloy (by Spectro)	Nickel (Ni)	BS EN 15079
81	CHEMICAL- METALS & ALLOYS	Non Ferrous: Copper Base Pure Copper, Cu/Zn Alloy, Cu/Sn/Pb Alloy, Cu/Al Alloy (by Spectro)	Phosphorous (P)	BS EN 15079
82	CHEMICAL- METALS & ALLOYS	Non Ferrous: Copper Base Pure Copper, Cu/Zn Alloy, Cu/Sn/Pb Alloy, Cu/Al Alloy (by Spectro)	Silicon (Si)	BS EN 15079
83	CHEMICAL- METALS & ALLOYS	Non Ferrous: Copper Base Pure Copper, Cu/Zn Alloy, Cu/Sn/Pb Alloy, Cu/Al Alloy (by Spectro)	Sulphur (S)	BS EN 15079
84	CHEMICAL- METALS & ALLOYS	Non Ferrous: Copper Base Pure Copper, Cu/Zn Alloy, Cu/Sn/Pb Alloy, Cu/Al Alloy (by Spectro)	Tin (Sn)	BS EN 15079
85	CHEMICAL- METALS & ALLOYS	Non Ferrous: Copper Base Pure Copper, Cu/Zn Alloy, Cu/Sn/Pb Alloy, Cu/Al Alloy (by Spectro)	Zinc (Zn)	BS EN 15079