National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : KEPRO TECHNOLOGIES PVT. LTD. - LAB DIVISION, EXPRESS INDUSTRIAL COMPLEX, NEW KOLORAH DOMJUR DHULAGARH, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10276 **Page No** 1 of 6

Validity 28/01/2022 to 27/01/2024 **Last Amended on** 23/12/2022

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- METALLIC COATINGS & TREATMENT SOLUTIONS	Coated Magnetic Materials	Coating Thickness(Using Coating Thickness Meter)	IS: 12554 Pt-2
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron & Steel article	Adhesion Test and Knife Test	IS 2629
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron & Steel article	Determination Of Mass Of Zinc Coating	IS 4759
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron & Steel article	Determination Of Mass Of Zinc Coating	IS: 1573
5	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron & Steel article	Determination Of Mass Of Zinc Coating	IS: 6745 cl -3.2:1972
6	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron & Steel article	Uniformity of Zinc Test (Dip Test)	IS 2633 cl No 2 :1986
7	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloy	Chromium (Cr)	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloy	Copper	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloy	Iron	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloy	Lead	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloy	Magnesium	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloy	Manganese	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloy	Nickel	ASTM E 1251
14	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloy	Silicon	ASTM E 1251
15	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloy	Tin	ASTM E 1251
16	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloy	Titanium	ASTM E 1251

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Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-10276
Page No	2 of 6
Validity	28/01/2022 to 27/01/2024
Last Amended on	23/12/2022

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17	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloy	Zinc	ASTM E 1251
18	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminium	BN EN 15079
19	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Antimony	BN EN 15079
20	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Arsenic	BN EN 15079
21	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Bismuth	BN EN 15079
22	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	BN EN 15079
23	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	BN EN 15079
24	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	BN EN 15079
25	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	BN EN 15079
26	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silver	BN EN 15079
27	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Sulfur	BN EN 15079
28	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	BN EN 15079
29	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	BN EN 15079
30	CHEMICAL- METALS & ALLOYS	Coppers & its alloys	Chromium	BN EN 15079
31	CHEMICAL- METALS & ALLOYS	Coppers & its alloys	Iron	BN EN 15079
32	CHEMICAL- METALS & ALLOYS	Coppers & its alloys	Phosphorus	BN EN 15079
33	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Aluminum (Al)	IS 8811
34	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Carbon (C)	IS 8811
35	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Chromium (Cr)	IS 8811

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10276	**Page No**	3 of 6
Validity	28/01/2022 to 27/01/2024	**Last Amended on**	23/12/2022

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36	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Cobalt (Co)	IS 8811
37	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Copper (Cu)	IS 8811
38	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Manganese (Mn)	IS 8811
39	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Molybdenum (Mo)	IS 8811
40	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Nickel (Ni)	IS 8811
41	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Nitrogen(N2)	IS 8811
42	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Phosphorus (P)	IS 8811
43	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Silicon (Si)	IS 8811
44	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Sulphur (S)	IS 8811
45	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Vanadium (V)	IS 8811
46	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon (C)	IS 9879
47	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium (Cr)	IS 9879
48	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper (Cu)	IS 9879
49	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese (Mn)	IS 9879
50	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum (Mo)	IS 9879
51	CHEMICAL- METALS & ALLOYS	stainless steel	Nickel (Ni)	IS 9879
52	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus (P)	IS 9879
53	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon (Si)	IS 9879
54	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur (S)	IS 9879

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10276 **Page No** 4 of 6

Validity 28/01/2022 to 27/01/2024 **Last Amended on** 23/12/2022

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55	CHEMICAL- METALS & ALLOYS	Stainless steel	Titanium	IS 9879
56	CHEMICAL- METALS & ALLOYS	Stainless steel	Vanadium	IS 9879
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Flat, Tubes, Pipe, Angle, Round, Channel, Bolt, Nut, wire, D Shackles	Rockwell Hardness Test	IS 1586 (PART 1) ASTM A 370
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Flat, Tubes, Pipe, Angle, Round, Channel,Bolt, Nut, wire, D Shackles	Rockwell Hardness Test	IS 1586 (PART 1) ASTM A 370
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Flat, Tubes, Pipe, Angle, Round, Channel, Bolt, Nut	Vickers Hardness Test (HV-10)	IS 1501 (Part-1)
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Flat, Tubes, Pipe, Angle, Round, Channel, Bolt, Nut	Brinell Hardness Test (10/3000)	ASTM A 370 AND IS :1500 (PART 1)
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Flat, Tubes, Pipe, Angle, Round, Channel, Bolt, Nut	Brinell Hardness Test (5/750)	ASTM A 370 AND IS :1500 (PART 1)
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Flat, Tubes, Pipe, Angle, Round, Channel, Bolt, Nut	Vickers Hardness Test (HV-30)	IS 1501 (Part-1)
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Flat, Tubes, Pipe, Angle, Round, Channel, Bolt, Nut	Vickers Hardness Test (HV-5)	IS 1501 (Part-1)
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt /Studs	Head Soundness	IS 1367 (Part 3)
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt /Studs	Wedge Load / Tensile load	IS 1367 (Part 3)
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners (Bolts)	Proof Load Test	IS 1367 (Part 3)
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Metals	Charpy Impact Test (V-Notch) and at room Temperature At -0°C to (-60°C)	BS:131/pt-2
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Metals	Charpy Impact Test (V-Notch) and at room Temperature At -0°C to (-60°C)	IS:1757 Pt-1

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10276 **Page No** 5 of 6

Validity 28/01/2022 to 27/01/2024 **Last Amended on** 23/12/2022

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69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Metals	Izod Impact Test (V-Notch Single, Double, Triple) at room Temperature	BS: 131/pt-1
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Metals	Izod Impact Test (V-Notch Single, Double, Triple) at room Temperature	IS:1598
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nut	Proof Load	IS 1367 (Part 6):
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel Bar	Mass Per Meter	IS 1786
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel Bar/TMT/Round	Rebend Test	IS 1786
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire/Bar/Flat/ Plates/ Fasteners	% Elongation	IS 1608 (P-1), IS 1367 (P-3) & ASTM A 370
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire/Bar/Flat/ Plates/ Fasteners	Tensile Strength	IS 1608 (P-1), IS 1367 (P-3) & ASTM A 370
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire/Bar/Flat/ Plates/ Fasteners	Yield Stress	IS: 1608 (P-1), IS 1367 (P-3) & ASTM A 370
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire/Bar/Flat/Bolt/Nut/D- Shackles	Breaking load	IS 1608(P-1)
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire/Bar/Flat/Plates/Tube/Pipe/Angle/Channel/Beam	Bend Test (mandrel dia: 32mm, 40mm, 44mm,50mm,60mm,80m,100 mm,150mm,168mm,192mm,216mm,240mm)	IS 1599
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire/Bar/Flat/Plates/Tube/Pipe/Angle/Channel/Beam	0.2% Proof Stress	IS 1608 (P-1) & ASTM A 370
80	MECHANICAL-METALLOGRAPHY TEST	Cast Iron (CI)	Microstructure of graphite in Cast Iron	IS 7754
81	MECHANICAL-METALLOGRAPHY TEST	Copper & alloys	Micro Structural Examination (by Microscope)	IS: 7739: Part:1 - 5
82	MECHANICAL-METALLOGRAPHY TEST	Ferrous & alloys	Non Metallic Inclusion (by Microscope)	IS: 4163

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10276	**Page No**	6 of 6
Validity	28/01/2022 to 27/01/2024	**Last Amended on**	23/12/2022

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83	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Material & alloys	Grain Size	ASTM E 112
84	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Material & alloys	Grain Size	IS: 4748
85	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Materials	Case Depth Of Steel (by Microscope)	IS: 6416
86	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Materials	Coating Thickness of Zn, Ag, Cu, Cd, Sn, Cr, Ni (by Microscopic)	IS: 3203
87	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metal & alloys	Macro Structural Examination	ASTM E 381
88	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metal & alloys	Macro Structural Examination	IS: 11371
89	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Depth Of Decarburization In Steel (by Microscope)	IS: 6396
90	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metal & alloys	Macro Structural Examination	IS: 13015