National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY , MAN INDUSTRIES (INDIA) LTD., 485/2, ANJAR MUNDRA HIGHWAY, ANJAR, KACHCHH, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 26/09/2021 to 25/09/2023 **Last Amended on** 30/11/2021

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	Carbon and alloy Steel	Chemical Test - Aluminum (%)	ASTM E 415
2	CHEMICAL- METALS & ALLOYS	Carbon and alloy Steel	Chemical Test - Aluminum (%)	IS 8811
3	CHEMICAL- METALS & ALLOYS	Carbon and alloy Steel	Chemical Test - Boron (%)	ASTM E 415
4	CHEMICAL- METALS & ALLOYS	Carbon and alloy Steel	Chemical Test - Boron (%)	IS 8811
5	CHEMICAL- METALS & ALLOYS	Carbon and alloy Steel	Chemical Test - Calcium (%)	ASTM E 415
6	CHEMICAL- METALS & ALLOYS	Carbon and alloy Steel	Chemical Test - Calcium (%)	IS 8811
7	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Carbon (%)	ASTM E 415
8	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Carbon (%)	IS 8811
9	CHEMICAL- METALS & ALLOYS	Carbon and alloy Steel	Chemical Test - Chromium (%)	IS 8811
10	CHEMICAL- METALS & ALLOYS	Carbon and alloy Steel	Chemical Test - Copper (%)	ASTM E 415
11	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Copper (%)	IS 8811
12	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Manganese (%)	ASTM E 415
13	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Manganese (%)	IS 8811
14	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Molybdenum (%)	ASTM E 415
15	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Molybdenum (%)	IS 8811
16	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Nickel (%)	ASTM E 415
17	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Nickel (%)	IS 8811
18	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Niobium (%)	ASTM E 415

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19	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Niobium (%)	IS 8811
20	CHEMICAL- METALS & ALLOYS	Carbon and alloy Steel	Chemical Test - Nitrogen (%)	ASTM E 415
21	CHEMICAL- METALS & ALLOYS	Carbon and alloy Steel	Chemical Test - Nitrogen (%)	IS 8811
22	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Phosphorus (%)	ASTM E 415
23	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Phosphorus (%)	IS 8811
24	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Silicon (%)	ASTM E 415
25	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Silicon (%)	IS 8811 (RA)
26	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Sulphur (%)	ASTM E 415
27	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Sulphur (%)	IS 8811
28	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Titanium (%)	ASTM E 415
29	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Titanium (%)	IS 8811
30	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Vanadium (%)	ASTM E 415
31	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test - Vanadium (%)	IS 8811
32	CHEMICAL- METALS & ALLOYS	Carbon and Alloy Steel	Chemical Test- Chromium (%)	ASTM E 415
33	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Specific Gravity	NACE SP 0394
34	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Cure Time (%)	API RP 5L7
35	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Cure Time (%)	ASTM D3418
36	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Cure Time (%)	CAN/CSAZ 245.20/21
37	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Cure Time (%)	ISO 11357-1

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38	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Cure Time (%)	ISO 21809-1
39	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Cure Time (%)	ISO 21809-2
40	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Cure Time (%)	Nace SP 0394
41	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Density	ISO 21809-2
42	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Density	ISO/NP 8130-2
43	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Density	NACE SP 0394
44	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Density Test	CAN/CSA Z 245.20/21
45	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Density Test	ISO 21809-1
46	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Gel Time (Sec)	API RP 5L7
47	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Gel Time (Sec)	CAN/CSAZ 245.20/21
48	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Gel time (Sec)	ISO 21809-1
49	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Gel Time (Sec)	ISO 21809-2
50	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Gel Time (Sec)	ISO 8130-6
51	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Gel Time (Sec)	NACE SP 0394
52	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Moisture Content (%)	API RP 5L7
53	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Moisture Content (%)	CAN/CSA Z 245.20/21
54	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Moisture Content (%)	ISO 21809-1
55	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Moisture Content (%)	ISO 21809-2
56	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Moisture Content (%)	NACE SP 0394

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57	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Specific Gravity	CAN/CSAZ 245.20/21
58	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Specific Gravity	ISO 21809-1
59	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Specific Gravity	ISO 21809-2
60	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Specific Gravity	ISO/NP 8130-2
61	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Delta H (j /g)	CAN/CSA Z 245.20/21
62	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Delta H (j /g)	API RP 5L7
63	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Delta H (j /g)	ASTM D3418
64	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Delta H (j /g)	ISO 11357-1
65	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Delta H (j /g)	ISO 21809-1
66	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Delta H (j /g)	ISO 21809-2
67	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Delta H (j /g)	NACE SP 0394
68	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Tg1 (°C)	API RP 5L7
69	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Tg1 (°C)	ASTM D3418
70	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Tg1 (°C)	CAN/CSA Z 245.20/21
71	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Tg1 (°C)	ISO 11357-1
72	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Tg1 (°C)	ISO 21809-1
73	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Tg1 (°C)	ISO 21809-2
74	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Tg1 (°C)	NACE SP 0394
75	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Tg2 (°C)	CAN/CSA Z 245.20/21

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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
76	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Tg2 (°C)	ISO 21809-1
77	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Tg2(°C)	API RP 5L7
78	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Tg2(°C)	ASTM D3418
79	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Tg2(°C)	ISO 11357-1
80	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Tg2(°C)	ISO 21809-2
81	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Characteristics Tg2(°C)	NACE SP 0394
82	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Test After Application	Cross Section Porosity Test (Rating)	ISO 21809-1
83	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Test After Application	Cross- Section Porosity Test (Rating)	CAN/CSA Z 245.20/21
84	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Test After Application	Cross- Section Porosity Test (Rating)	ISO 21809-2
85	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Test After Application	Cross- Section Porosity Test(Rating)	API RP 5L7
86	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Test After Application	Cross- Section Porosity Test(Rating)	NACE SP 0394
87	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Test After Application	Interface Porosity Test(Rating)	API RP 5L7
88	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Test After Application	Interface Porosity Test(Rating)	CAN/CSA Z 245.20/21
89	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Test After Application	Interface Porosity Test(Rating)	ISO 21809-1
90	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Test After Application	Interface Porosity Test(Rating)	ISO 21809-2
91	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Test After Application	Interface Porosity Test(Rating)	NACE SP 0394
92	CHEMICAL- PAINTS & SURFACE COATING	HDPE/PP/Adhesive	Melt Flow Test (gm/10 minutes)	ASTM D 1238
93	CHEMICAL- PAINTS & SURFACE COATING	HDPE/PP/Adhesive	Melt Flow Test (gm/10 minutes)	ISO 1133-1&2
94	CHEMICAL- PAINTS & SURFACE COATING	HDPE/PP/Adhesive	Moisture Content Test (%)	CAN/CSA Z 245.20/21

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95	CHEMICAL- PAINTS & SURFACE COATING	HDPE/PP/Adhesive	Moisture Content Test (%)	ISO 15512
96	CHEMICAL- PAINTS & SURFACE COATING	HDPE/PP/Adhesive	Oxidation Induction Time (minutes)	ASTM D 2240
97	CHEMICAL- PAINTS & SURFACE COATING	HDPE/PP/Adhesive	Oxidation Induction Time (minutes)	ASTM D 3895
98	CHEMICAL- PAINTS & SURFACE COATING	HDPE/PP/Adhesive	Oxidation Induction Time (minutes)	ISO 11357-6
99	CHEMICAL- PAINTS & SURFACE COATING	HDPE/PP/Adhesive	Specific Gravity/Density (gm/cc)	ASTM D 1505
100	CHEMICAL- PAINTS & SURFACE COATING	HDPE/PP/Adhesive	Specific Gravity/Density (gm/cc)	ASTM D 792
101	CHEMICAL- PAINTS & SURFACE COATING	HDPE/PP/Adhesive	Specific Gravity/Density (gm/cc)	ISO 1183-1
102	CHEMICAL- PAINTS & SURFACE COATING	Internal Liquid Epoxy	Cure Test	API RP 5L2
103	CHEMICAL- PAINTS & SURFACE COATING	Internal Liquid Epoxy	Cure Test	ISO 15741
104	CHEMICAL- PAINTS & SURFACE COATING	Internal Liquid Epoxy	Pin Hole Test On Epoxy Coated Glass Panel	API RP 5L2
105	CHEMICAL- PAINTS & SURFACE COATING	Internal Liquid Epoxy	Pin Hole Test On Epoxy Coated Glass Panel	ISO 15741
106	CHEMICAL- PAINTS & SURFACE COATING	Solvent Base Liquid Epoxy	Non Volatile Content By Mass (%)	ISO 3251
107	CHEMICAL- PAINTS & SURFACE COATING	Solvent Base Liquid Epoxy	Pigment Dispersion(Fineness Of Grind) Microns	ISO 1524
108	CHEMICAL- PAINTS & SURFACE COATING	Solvent Free Liquid Epoxy	Density	ISO 2811-1
109	CHEMICAL- PAINTS & SURFACE COATING	Solvent Free Liquid Epoxy	Specific Gravity	ISO 2811-1
110	CHEMICAL- PAINTS & SURFACE COATING	Testing On Solvent Free (Food Grade) Epoxy Coated Samples	Cross Cut Adhesion	ASTM D 3359
111	CHEMICAL- PAINTS & SURFACE COATING	Testing On Solvent Free (Food Grade) Epoxy Coated Samples	Cure (Solvent rub) Test Testing On Solvent Free (Food Grade) Epoxy Coated Samples	ASTM D 4752-10
112	CHEMICAL- PAINTS & SURFACE COATING	Testing On Solvent Free (Food Grade) Epoxy Coated Samples	Parallel - Cut Test	AWWA C210

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113	CHEMICAL- PAINTS & SURFACE COATING	Testing On Solvent Free (Food Grade) Epoxy Coated Samples	Water Immersion	AWWA C210
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Bend Test	ASME Section IX
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Bend Test	ASTM A370
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Bend Test	ASTM E 190
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Bend Test	ASTM E 290
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Bend Test	ISO 7438
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	DROP WEIGHT TEAR TEST (Chevron Notch &Pressed Notch) from +100°C to -60°C	API RP 5L3
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Hardness Test - Vickers Hardness Test (5Kgf)	IS 1501-1
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Hardness Test - Vickers Hardness Test (10 Kgf)	ASTM E92
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Hardness Test - Vickers Hardness Test (10 Kgf)	IS 1501-1
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Hardness Test - Vickers Hardness Test (10Kgf)	ISO 6507-1
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Hardness Test - Vickers Hardness Test (5Kgf)	ASTM E 92
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Hardness Test - Vickers Hardness Test (5Kgf)	ISO 6507-1
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Impact Test - Charpy Impact Test (V Notch & U Notch) from Ambient temperature to -60°C	ASTM A 370

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127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Impact Test - Charpy Impact Test (V Notch & U Notch) from Ambient temperature to -60°C	ASTM E 23
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Impact Test - Charpy Impact Test (V Notch & U Notch) from Ambient temperature to -60°C	IS 1757-1
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Impact Test - Charpy Impact Test (V Notch & U Notch) from Ambient temperature to -60°C	ISO 148-1
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Tensile Strength - % Elongation	ASME Section IX
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Tensile Test - Ultimate Tensile Strength	ASTM A 370
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Tensile Test - Ultimate Tensile Strength	ASTM E8/E8M
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Tensile Test - Ultimate Tensile Strength	BS EN ISO 6892-1
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Tensile Test - Ultimate Tensile Strength	IS 1608
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Tensile Test - Yield Strength	ASTM A370
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Tensile Test - Yield Strength	ASTM E8/E8M
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Tensile Test - Yield Strength	BS EN ISO 6892-1
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel	Tensile Test - Yield Strength	IS 1608
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Low Steel	Bend Test	IS 1599
140	MECHANICAL-METALLOGRAPHY TEST	Carbon and Alloy Steel	Grain Size Analysis (Comparison Method)	ASTM E112

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141	MECHANICAL-METALLOGRAPHY TEST	Carbon and Alloy Steel	Hydrogen Induced Cracking Test	NACE TM 0284
142	MECHANICAL-METALLOGRAPHY TEST	Carbon and Alloy Steel	Macro Examination	ASTM E 340
143	MECHANICAL-METALLOGRAPHY TEST	Carbon and Alloy Steel	SULPHIDE STRESS CORROSION CRACKING TEST (SSCC) - Four Point Bend Test	ASTM G39
144	MECHANICAL-METALLOGRAPHY TEST	Carbon and Alloy Steel	SULPHIDE STRESS CORROSION CRACKING TEST (SSCC) - Four point bend test	NACE TM 0177
145	MECHANICAL-METALLOGRAPHY TEST	Carbon and Alloy Steel	SULPHIDE STRESS CORROSION CRACKING TEST (SSCC) - Uni-axial tensile test	ASTM G39
146	MECHANICAL-METALLOGRAPHY TEST	Carbon and Alloy Steel	SULPHIDE STRESS CORROSION CRACKING TEST (SSCC) - Uni-axial tensile test	NACE TM 0177
147	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Flexibility Test	API RP 5L7
148	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Flexibility Test	CAN/CSA Z 245.20/21
149	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Flexibility Test	ISO 21809-1
150	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Flexibility Test	ISO 21809-2
151	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Flexibility Test	NACE SP 0394
152	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Hot Water Test/Adhesion	CAN/CSA Z 245.20/21
153	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Hot Water Test/Adhesion	ISO 21809-1
154	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Sieve Analysis Test (150 Microns)	CAN/CSA Z 245.20/21
155	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Sieve Analysis Test (150 Microns)	ISO 21809-1
156	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Sieve Analysis Test (150 Microns)	ISO 21809-2
157	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Sieve Analysis Test (150 Microns)	ISO 8130-1

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158	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Sieve Analysis Test (150 Microns)	NACE SP 0394
159	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Sieve Analysis Test (250 Microns)	CAN/CSA Z 245.20/21
160	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Sieve Analysis Test (250 Microns)	ISO 21809-1
161	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Sieve Analysis Test (250 Microns)	ISO 21809-2
162	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Sieve Analysis Test (250 Microns)	ISO 8130-1
163	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy Powder	Sieve Analysis Test (250 Microns)	NACE SP 0394
164	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy/HDPE Coated Pipes Test After Application	Cathodic Disbondment (mm)	API RP 5L7
165	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy/HDPE Coated Pipes Test After Application	Cathodic Disbondment (mm)	ASTM G 95-07
166	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy/HDPE Coated Pipes Test After Application	Cathodic Disbondment (mm)	ASTM G8-96
167	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy/HDPE Coated Pipes Test After Application	Cathodic Disbondment (mm)	CAN/CSA Z 245.20/21
168	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy/HDPE Coated Pipes Test After Application	Cathodic Disbondment (mm)	ISO 21809-1
169	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy/HDPE Coated Pipes Test After Application	Cathodic Disbondment (mm)	NACE SP 0394
170	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Epoxy/HDPE Coated Pipes Test After Application	Cathodic Disbondment Test (mm)	ASTM G42-11
171	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Test After Application	Elongation At Break (%)	ASTM D 638
172	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Test After Application	Elongation At Break (%)	DIN 30670
173	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Test After Application	Elongation At Break (%)	ISO 527-1
174	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Test After Application	Elongation At Break (%)	ISO 527-2
175	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Test After Application	Indentation Test (mm)@23°C	DIN 30670 type N
176	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Test After Application	Indentation Test (mm)@23°C	DIN 30670 type S

SCOPE OF ACCREDITATION

Laboratory Name :	TESTING LABORATORY , MAN INDUSTRIES (INDIA) LTD., 485/2, ANJAR MUNDRA HIGHWAY, ANJAR, KACHCHH, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6501	**Page No**	11 of 12
Validity	26/09/2021 to 25/09/2023	**Last Amended on**	30/11/2021

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
177	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Test After Application	indentation Test (mm)@70°C	DIN 30670 type S
178	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Test After Application	Shore D Hardness (Shore D)	ASTM D 2240
179	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Test After Application	Shore D Hardness (Shore D)	ISO 868
180	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Test After Application	Tensile Strenght Test (MPa)	DIN 30670
181	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Test After Application	Tensile Strength Test (MPa)	ASTM D 638
182	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Test After Application	Tensile Strength Test (MPa)	ISO 527-1
183	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Test After Application	Tensile Strength Test (MPa)	ISO 527-2
184	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE/PP/Adhesive	Vicat Softening Test (°C)	ASTM D 1525
185	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE/PP/Adhesive	Vicat Softening Test (°C)	ISO 306
186	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE/PP/Epoxy	Shore D Hardness Test(Shore D)	ISO 868
187	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	High Build Liquid Epoxy	Adhesion To Steel	ASTM D3359
188	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	High Build LIquid Epoxy	Pull - Of Adhesion (psi)	ASTM D 4541-09e1
189	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	High Build Liquid Epoxy	Tabor Abrasion (miles/1560 cycles)	ASTM D 4060
190	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Internal Liquid Epoxy Coated Panel Test	Adhesion Test	ISO 15741
191	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Internal Liquid Epoxy Coated Panel Test	Buchholz Hardness Test (Buchholz)	ISO 15741
192	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Internal Liquid Epoxy Coated Panel Test	Buchholz Hardness Test(Buchholz)	API RP 5L2
193	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Internal Liquid Epoxy Coated Panel Test	Buchholz Hardness Test(Buchholz)	ISO 2815
194	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Internal Liquid Epoxy Coated Panel Test	Pin Hole Test On Epoxy Coated Glass Panel	API RP 5L2
195	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Internal Liquid Epoxy Coated Panel Test	Pin Hole Test On Epoxy Coated Glass Panel	ISO 15741

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6501	**Page No**	12 of 12
Validity	26/09/2021 to 25/09/2023	**Last Amended on**	30/11/2021

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
196	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Testing On Solvent Free (Food Grade) Epoxy Coated Samples	Cross-Cut Adhesion Test	ASTM D3359
197	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Testing On Solvent Free (Food Grade) Epoxy Coated Samples	Parallel - Cut Test	AWWA C210
198	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Testing On Solvent Free (Food Grade) Epoxy Coated Samples	Shore D hardness Test (Shore D)	ISO 868