National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY (COATING) OF JINDAL SAW LIMITED, NANAKAPAYA, MUNDRA, KACHCHH, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5387 **Page No** 1 of 5

Validity 03/04/2022 to 02/04/2024 **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 Facility				
1	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Blasted Steel Pipes	Indicating Oil and Water in Compressed Air (Air Blotter Test)	ASTM D 4285
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Blasted Steel Pipes	Water Break	ASTM F 22
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Externally Blasted steel pipe	Soluble Contaminants Level (Using Bresle Kit)	ISO 8502-6
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Externally Blasted steel pipe	Soluble Contaminants Level (Using Potassium .Ferricyanide Solution)	SSPC- Guide 15
5	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Externally Blasted steel pipe	Soluble Contaminants Level (Using SCM 400 Meter)	SSPC- Guide 15
6	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Steel Shot & Grit	Conductivity of Abrasive Extract	ASTM D4940
7	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Density of Epoxy Powder	CSAZ245.20 Clause12.6
8	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Gel Time	CSA Z245.20 Clause 12.2
9	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Glass Transition Temperature (Tg)	CSAZ245.20, Clause 12.7
10	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Moisture Content of Epoxy Powder	CSA Z245.20, Clause 12.4
11	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Sieve Analysis of Epoxy Powder (150 µm)	CSA Z245.20, Clause 12.5
12	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Sieve Analysis of Epoxy Powder (250 µm)	CSA Z245.20, Clause 12.5
13	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Thermal Analysis, Enthalpy (Delta H)	CSAZ245.20, Clause 12.7
14	CHEMICAL- PAINTS & SURFACE COATING	Fusion Bond Epoxy Coated Specimen	Cathodic Disbondment Test	CSAZ245.20, Clause 12.8
15	CHEMICAL- PAINTS & SURFACE COATING	Fusion Bond Epoxy Coated Specimen	Cathodic Disbondment Test	NFA49-711, Clause 9.13
16	CHEMICAL- PAINTS & SURFACE COATING	Fusion Bond Epoxy Coated Specimen	Cure Test	CSAZ245.20, Clause 12.7

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5387 **Page No** 2 of 5

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17	CHEMICAL- PAINTS & SURFACE COATING	Fusion Bond Epoxy Coated Specimen	Flexibility Test	CSAZ245.20, Clause 12.11
18	CHEMICAL- PAINTS & SURFACE COATING	Fusion Bond Epoxy Coated Specimen	Hot Water Soak Adhesion Test	CSAZ245.20, Clause 12.14
19	CHEMICAL- PAINTS & SURFACE COATING	Fusion Bond Epoxy Coated Specimen	Impact Resistance test	CSA Z245.20, Clause 12.12
20	CHEMICAL- PAINTS & SURFACE COATING	Fusion Bond Epoxy Coated Specimen	Interface and Cross Section Porosity	CSA Z245.20, Clause 12.10
21	CHEMICAL- PAINTS & SURFACE COATING	Fusion Bond Epoxy Coated Steel Pipe	Dry Adhesion	ISO: 21809-2,Clause A.4
22	CHEMICAL- PAINTS & SURFACE COATING	Liquid epoxy coated glass panels	Porosity of Film on coated Glass Panel	ISO 15741,(Annexure-E)
23	CHEMICAL- PAINTS & SURFACE COATING	Liquid epoxy coated steel panels	Adhesion of Applied Paint coating	ISO 2409
24	CHEMICAL- PAINTS & SURFACE COATING	Liquid epoxy coated steel panels	Bend Test of Applied Paint Coating	ISO 6860
25	CHEMICAL- PAINTS & SURFACE COATING	Liquid epoxy coated steel panels	Buchholz Hardness	ISO 15741
26	CHEMICAL- PAINTS & SURFACE COATING	Liquid epoxy coated steel panels	Buchholz Hardness	ISO 2815
27	CHEMICAL- PAINTS & SURFACE COATING	Liquid epoxy coated steel panels	Pull -Off strength of coating	ASTM D4541
28	CHEMICAL- PAINTS & SURFACE COATING	Liquid epoxy coated steel panels	Solvent Rub for Applied Coating	ASTM D4752
29	CHEMICAL- PAINTS & SURFACE COATING	Liquid epoxy coated steel panels	Stripping	API RP 5L2
30	CHEMICAL- PAINTS & SURFACE COATING	Liquid paint	Curing Test	ISO 15741
31	CHEMICAL- PAINTS & SURFACE COATING	Liquid paint	Density of Paint (by Pyknometer)	ISO 2811-1
32	CHEMICAL- PAINTS & SURFACE COATING	Liquid paint	Fineness of Grind of Liquid Paint	ISO 1524
33	CHEMICAL- PAINTS & SURFACE COATING	Liquid paint	Non-Volatile Matter	ISO 3251
34	CHEMICAL- PAINTS & SURFACE COATING	Liquid paint	Viscosity of Liquid Paint	ISO 2431
35	CHEMICAL- PAINTS & SURFACE COATING	Liquid paint	Water Immersion	API RP 5L2

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5387 **Page No** 3 of 5

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36	CHEMICAL- WATER	Water	Conductivity of DI/DM Water	ASTM D1125
37	CHEMICAL- WATER	Water	pH of Water / Aqueous Solution	ASTM E70
38	MECHANICAL- BUILDINGS MATERIALS	Concrete Specimen	Compressive Strength of concrete cube	DIN EN 12390-3
39	MECHANICAL- BUILDINGS MATERIALS	Concrete Specimen	Dry Density	ASTM C642
40	MECHANICAL- BUILDINGS MATERIALS	Concrete Specimen	Water Absorption	ASTM C642
41	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPE Coated Steel Pipe	Bond Strength / Peel Strength	DIN 30670
42	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPE Coated Steel Pipe	Bond Strength / Peel Strength	DIN 30678
43	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPE Coated Steel Pipe	Bond Strength / Peel Strength	ISO 21809-1
44	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPE Coated Steel Pipe	Elongation Test	ASTM D 638
45	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPE Coated Steel Pipe	Impact Test	DIN 30670
46	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPE Coated Steel Pipe	Impact Test	DIN 30678
47	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPE Coated Steel Pipe	Impact Test	ISO 21809-1
48	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPE Coated Steel Pipe	Indentation Resistance Test	DIN 30670
49	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPE Coated Steel Pipe	Indentation Resistance Test	DIN 30678
50	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPE Coated Steel Pipe	Indentation Resistance Test	ISO 21809-1
51	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPE Coated Steel Pipe	Shore D Hardness Test	ASTM D2240
52	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPE Coated Steel Pipe	Tensile Strength Test	ASTM D 638
53	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPE Coated Steel Pipe	Water Absorption Test	ASTM D 570
54	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPP Coated Steel Pipe	Bond Strength / Peel Strength	DIN 30670
55	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPP Coated Steel Pipe	Bond Strength / Peel Strength	DIN 30678

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5387 **Page No** 4 of 5

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56	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPP Coated Steel Pipe	Bond Strength / Peel Strength	ISO 21809-1
57	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPP Coated Steel Pipe	Elongation Test	ASTM D 638
58	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPP Coated Steel Pipe	Impact Test	DIN 30670
59	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPP Coated Steel Pipe	Impact Test	DIN 30678
60	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPP Coated Steel Pipe	Impact Test	ISO 21809-1
61	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPP Coated Steel Pipe	Indentation Resistance Test	DIN 30670
62	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPP Coated Steel Pipe	Indentation Resistance Test	DIN 30678
63	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPP Coated Steel Pipe	Indentation Resistance Test	ISO 21809-1
64	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPP Coated Steel Pipe	Shore D Hardness Test	ASTM D2240
65	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPP Coated Steel Pipe	Tensile Strength Test	ASTM D 638
66	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	3LPP Coated Steel Pipe	Water Absorption Test	ASTM D 570
67	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polyethylene	Melt Flow Index	ASTM D 1238
68	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polyethylene	Melting Point	ISO 3146
69	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polyethylene	Oxidation Induction Time	ASTM D 3895
70	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polyethylene	Specific Gravity	ASTM D 792
71	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polyethylene	Vicat Softening Point	ASTM D 1525
72	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymeric Adhesive	Melt Flow Index	ASTM D 1238
73	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymeric Adhesive	Melting Point	ISO 3146
74	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymeric Adhesive	Oxidation Induction Time	ASTM D 3895

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Certificate Number TC-5387 **Page No** 5 of 5

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75	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymeric Adhesive	Specific Gravity	ASTM D 792
76	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymeric Adhesive	Vicat Softening Point	ASTM D 1525
77	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polypropylene	Melt Flow Index	ASTM D 1238
78	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polypropylene	Melting Point	ISO 3146
79	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polypropylene	Oxidation Induction Time	ASTM D 3895
80	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polypropylene	Specific Gravity	ASTM D 792
81	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polypropylene	Vicat Softening Point	ASTM D 1525