National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PSL CENTRAL LABORATORY, VARSANA COMPLEX, SURVEY NO. 37, VILLAGE-VARSANA, TALUKA - ANJAR, GANDHIDHAM, KACHCHH, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7804 **Page No** 1 of 4

Validity 25/03/2021 to 24/03/2023 **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- METALS & ALLOYS	Carbon Steel & Alloys Steel	Aluminium	ASTM E 415
2	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloys Steel	Boron	ASTM E 415
3	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloys Steel	Carbon	ASTM E 415
4	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloys Steel	Chromium	ASTM E 415
5	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloys Steel	Copper	ASTM E 415
6	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloys Steel	Manganese	ASTM E 415
7	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloys Steel	Molybdenum	ASTM E 415
8	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloys Steel	Nickel	ASTM E 415
9	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloys Steel	Niobium	ASTM E 415
10	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloys Steel	Nitrogen	ASTM E 415
11	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloys Steel	Phosphorus	ASTM E 415
12	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloys Steel	Silicon	ASTM E 415
13	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloys Steel	Sulphur	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloys Steel	Tin	ASTM E 415
15	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloys Steel	Titanium	ASTM E 415
16	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloys Steel	Vanadium	ASTM E 415
17	CHEMICAL- PLASTIC & RESINS	3 Layer Polyethylene or Polypropylene Coating	Cathodic Disbondment Test	ASTM G 95 - 07
18	CHEMICAL- PLASTIC & RESINS	3 Layer Polyethylene or Polypropylene Coating	Cathodic Disbondment Test	ASTM G42 -11

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19	CHEMICAL- PLASTIC & RESINS	Cured Liquid Epoxy Coating	Curing	ISO 15741
20	CHEMICAL- PLASTIC & RESINS	Cured Liquid Epoxy Coating	Pin Hole	ISO 15741
21	CHEMICAL- PLASTIC & RESINS	Epoxy Powder	% of Cure	CAN CSA Z 245 20
22	CHEMICAL- PLASTIC & RESINS	Epoxy Powder	Cure Time	CAN CSA Z 245 20
23	CHEMICAL- PLASTIC & RESINS	Epoxy Powder	Delta Tg	CAN CSA Z 245 20
24	CHEMICAL- PLASTIC & RESINS	Epoxy Powder	Gel Time	CAN CSA Z 245 20
25	CHEMICAL- PLASTIC & RESINS	Epoxy Powder	Moisture Content	CAN CSA Z 245 20
26	CHEMICAL- PLASTIC & RESINS	Epoxy Powder	Thermal Characteristics Glass Transition - Tg1 Glass Transition - Tg2 Heat of Reaction - Delta H	CAN CSA Z 245 20
27	CHEMICAL- PLASTIC & RESINS	Fusion Bonded Epoxy Coating	Adhesion Test (Hot Water Soak)	CAN CSA Z 245 20
28	CHEMICAL- PLASTIC & RESINS	Fusion Bonded Epoxy Coating	Cathodic Disbondment Test	CAN CSA Z 245 20
29	CHEMICAL- PLASTIC & RESINS	Fusion Bonded Epoxy Coating	Cross-Section Interface Porosity	CAN CSA Z 245 20
30	CHEMICAL- PLASTIC & RESINS	Polyethylene or Polypropylene Based Co-Polymer Adhesive, Polyethylene, Polypropylene Sheet or Molded Material Sample	Specific Gravity	ASTM D 792
31	CHEMICAL- PLASTIC & RESINS	Polyethylene or Polypropylene Based Co-Polymer Adhesive, Polyethylene, Polypropylene Sheet or Molded Material Sample	Vicat Softening Temperature	ASTM D 1525
32	CHEMICAL- PLASTIC & RESINS	Polyethylene, Polypropylene Sheet or Molded Material Sample	24 Hrs Water Absorption Test	ASTM D 570 - 98
33	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Alloys (Carbon Steel & Alloys Steel)	Drop Weight Tear Test	API 5L 46th Edition:2018, API RP 5L 3
34	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Alloys (Carbon Steel & Alloys Steel)	Elongation	ASTM A 370

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35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Alloys (Carbon Steel & Alloys Steel)	"V" Notch Charpy Impact (At +100 °C to (-)60 °C Temperature)	ASTM A 370
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Alloys (Carbon Steel & Alloys Steel)	Bend / Guided Bend	API 5L 46th Edition
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Alloys (Carbon Steel & Alloys Steel)	Hydrogen Induced Crack (HIC) at 100X Magnification	NACE - TM0284
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Alloys (Carbon Steel & Alloys Steel)	Macro Examination	ASTM E 340
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Alloys (Carbon Steel & Alloys Steel)	Nick Break	API 5L 46th Edition
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Alloys (Carbon Steel & Alloys Steel)	Reduction Area	ASTM A 370
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Alloys (Carbon Steel & Alloys Steel)	Sulphite Stress Crack (SSC) by Four Point Bent-Beam Test Method	ASTM G 39 - 99
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Alloys (Carbon Steel & Alloys Steel)	Ultimate Tensile Strength	ASTM A 370
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Alloys (Carbon Steel & Alloys Steel)	Vickers Hardness	ASTM E 92
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Alloys (Carbon Steel & Alloys Steel)	Yield Strength (0.5% Extension Under Load)	ASTM A 370
45	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Fusion Bonded Epoxy Coating	Flexibility	CAN CSA Z 245 20
46	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Liquid Epoxy Coating	Adhesion Test	ISO 2409
47	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Liquid Epoxy Coating	Bend Test	ISO 6860
48	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Liquid Epoxy Coating	Buchholz Hardness Test	ISO 2815
49	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polyethylene Sheet Sample	Elongation Test	DIN 30670

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50	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polyethylene Sheet Sample	Indentation Test	DIN 30670
51	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polypropylene Sheet Sample	Elongation Test	DIN 30678
52	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polypropylene Sheet Sample	Indentation Test	DIN 30678