National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY (CIPET), PLOT NO. 630, PHASE- IV, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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
Permanent Facility				
1	CHEMICAL- PLASTIC & RESINS	containers	overall migration	IS 15410
2	CHEMICAL- PLASTIC & RESINS	gas pipes	Resistance to Weathering	IS 14885
3	CHEMICAL- PLASTIC & RESINS	raw material, products	HDT	ASTM D 648
4	CHEMICAL- PLASTIC & RESINS	emitting pipe	Susceptibility to Environmental Stress Cracking	IS 13488
5	CHEMICAL- PLASTIC & RESINS	film	overall migration	IS 15609
6	CHEMICAL- PLASTIC & RESINS	film	transparancy	IS: 15410
7	CHEMICAL- PLASTIC & RESINS	Films	Transparency	ASTM D 1003
8	CHEMICAL- PLASTIC & RESINS	fittings	Stress Relief Test	IS 7834(Pt,1,3,6,8)
9	CHEMICAL- PLASTIC & RESINS	Geomembrane	Ash Content	IS 15351
10	CHEMICAL- PLASTIC & RESINS	hdpe pipes	Carbon Black Dispersion	IS 2530
11	CHEMICAL- PLASTIC & RESINS	hdpe pipes, black master batch	Carbon Black Content	IS 2530
12	CHEMICAL- PLASTIC & RESINS	HDPE pipes, packaging films, containers	overall migration	IS 9845
13	CHEMICAL- PLASTIC & RESINS	HDPE pipes, sprinkler and raw material	Melt Flow Index	IS 13360
14	CHEMICAL- PLASTIC & RESINS	HDPE pipes, sprinkler pipe and raw material	Melt Flow Index	IS 2530
15	CHEMICAL- PLASTIC & RESINS	HDPE Pipes, sprinkler pipes and raw material	Melt Flow Index	ASTM D 1238
16	CHEMICAL- PLASTIC & RESINS	lateral pipe	Susceptibility to Environmental Stress Cracking	IS 12786
17	CHEMICAL- PLASTIC & RESINS	pipe	Melt flow index	IS 16098
18	CHEMICAL- PLASTIC & RESINS	pipe	Resistance to Sulphuric Acid	IS 12235

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19	CHEMICAL- PLASTIC & RESINS	PIPE, RAW MATERIAL	OXIDATION INDUCTION TIME	ASTMD 3895
20	CHEMICAL- PLASTIC & RESINS	Pipes	Oxidation Induction Time	IS 4984
21	CHEMICAL- PLASTIC & RESINS	pipes	Sulphated Ash Content	IS 14735
22	CHEMICAL- PLASTIC & RESINS	pipes	Sulphated Ash Content	IS 4985
23	CHEMICAL- PLASTIC & RESINS	pipes	Vicat Softening Temperature	ASTM D 1525
24	CHEMICAL- PLASTIC & RESINS	pipes	Vicat Softening Temperature	IS 12235
25	CHEMICAL- PLASTIC & RESINS	pipes	Vicat Softening Temperature	IS 13360 Pt. 6 Sec.1
26	CHEMICAL- PLASTIC & RESINS	pipes	Vicat Softening Temperature	IS 15328
27	CHEMICAL- PLASTIC & RESINS	pipes	Vicat Softening Temperature	IS 6307
28	CHEMICAL- PLASTIC & RESINS	pipes, raw material	oxidation induction time	IS 14885
29	CHEMICAL- PLASTIC & RESINS	pipes, tanks, films, woven sacks, flexible packaging film,	Stress Relief Test	IS 12235 Pt. 6
30	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers	Flammability Test	UL
31	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers	Glass Transition Temperature	ASTM D 3418
32	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers	HDT	IS 13360 Pt. 6 Sec. 3
33	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers	Material Identification	ASTM E 1252
34	CHEMICAL- PLASTIC & RESINS	Plastics & Polymers	Melting Point by DSC	ASTM D 3418
35	CHEMICAL- PLASTIC & RESINS	RAW MATERIAL, PIPES	CARBON BLACK CONTENT	ASTM D 1603
36	CHEMICAL- PLASTIC & RESINS	RESINS	CHLORINE CONTENT	IS:15778
37	CHEMICAL- PLASTIC & RESINS	resins	chlorine content	IS:15778

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38	CHEMICAL- PLASTIC & RESINS	Resins	VCM Content	ASTM D 3749
39	CHEMICAL- PLASTIC & RESINS	Resins	VCM Content	IS 10151
40	CHEMICAL- PLASTIC & RESINS	SWR PIPES	Axial Shrinkage	IS 13592
41	CHEMICAL- PLASTIC & RESINS	Woven Sacks	Ash Content	IS 14887
42	CHEMICAL- PLASTIC & RESINS	Woven Sacks	Ash Content	IS 14968
43	CHEMICAL- PLASTIC & RESINS	Woven Sacks	Ash Content	IS 16208
44	CHEMICAL- PLASTIC & RESINS	Woven Sacks	Ash Content	IS 16703
45	CHEMICAL- PLASTIC & RESINS	Woven Sacks	Ash Content	IS 9755
46	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Visual Appearance	IS12818
47	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	tanks	Dimension	IS 12701
48	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	container	dimensions	IS 15410
49	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	emiiter	Uniformity of emission Rate	IS : 13487
50	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	emitter	Emitter Pull-out	IS : 13487
51	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	emitters	Flow Path in Emitter	IS : 13487
52	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	emitters	Visual Appearance	IS 13487
53	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	film	Dimension	IS 2508
54	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	film	Slip/COF	Astm d 1894
55	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	FILM	Trapezoidal Tear	IS 14293
56	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	film, sheet, pipe	Specific Gravity	ASTM D 792

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57	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	film, tank and pipe	Visual Appearance	IS 13488
58	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Films	Tensile Strength & Elongation	ASTM D 882
59	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	fittings	Dimension	IS7834(PART 1,3,6,8)
60	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	fittings	Opacity	IS 7834(PART 1,3,6,8)
61	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	particle board	Modulus of Rupture	IS : 2380
62	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PE Flexible Pouch/ Film	Visual Appearance	IS 2508
63	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Hydraulic Characteristics (Acceptance & Type)	IS : 14885
64	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Pipe	Density	IS 16098 (Part 1 &2)
65	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Dimension	IS 12786
66	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Dimension	IS 13488
67	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Dimension	IS14735
68	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	dimensions	IS 14333
69	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	dimensions	IS 15778
70	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	dimensions	IS 15801
71	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	dimensions	IS 4985
72	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	dimensions	IS14885
73	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Effect of Sunlight	IS 13592
74	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Fusion compatibility test	IS: 14151 (Pt. 1)
75	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Hydraulic Characteristics (Acceptance & Type)	IS : 14885

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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	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Hydraulic Characteristics (Acceptance & Type)	IS 12786
77	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Hydraulic Characteristics (Acceptance & Type)	IS 13488
78	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Hydraulic Characteristics (Acceptance & Type)	IS 14151(PART 1)
79	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Hydraulic Characteristics (Acceptance & Type)	IS 14333
80	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Hydraulic Characteristics (Acceptance & Type)	IS 4984
81	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Hydraulic Characteristics (Acceptance & Type)	IS 7834(PART1,3,6,8)
82	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Hydraulic Characteristics (Acceptance & Type)	IS: 12235
83	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Hydraulic Proof Test	IS: 14151 (Pt. 2)
84	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Leakage Test	S: 14151 (Pt. 2)
85	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Pull-out	IS : 13488
86	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Resistance to External Blow at 0°C	IS:4985
87	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Reversion	IS: 12235
88	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Spacing of Emitting Unit	IS : 13488
89	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Specific Gravity	IS 16098 (PART 1 & 2)
90	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Visual Appearance	IS 12786
91	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Visual Appearance	IS 13592
92	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Visual Appearance	IS 14333
93	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Visual Appearance	IS 15328
94	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Visual Appearance	IS 15778

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95	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Visual Appearance	IS 15801
96	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Visual Appearance	IS 16098(PART 1& 2
97	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Water Tightness of Joint	IS:13592
98	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe	Weldability test	IS: 14151 (Pt. 2)
99	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe, film, raw material	Tensile Strength & Elongation	IS:8543
100	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Pipe, Film, Sheet	Density	ASTM D 792
101	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Pipe, Film, Sheet	Density	IS 13360
102	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Pipe, Film, Sheet	Density	IS 7328
103	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe, film, sheet	Specific Gravity	IS 7328
104	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe, film, tank	Visual Appearance	IS 7834
105	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe, fittings	Opacity	IS: 12235
106	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipe, tanks	dimensions	IS 15609
107	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipes	Dimension	IS 13592
108	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipes	Dimension	IS 14151(PART 1)
109	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipes	Dimension	IS: 4984
110	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pipes	dimensions	IS 16098(PART 1& 2)
111	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PIPES	Visual Appearance	4985
112	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PIPES	Visual Appearance	IS:4984
113	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PIPES	Visual Appearance	S 14885

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114	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	products, sheets	Hardness (Shore –A & D)	ASTM D 2240
115	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pvc pipes, lateral pipe, sprinkler pipe	Reversion	IS 4984
116	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	raw material	Charpy impact strength	IS 13360 Pt. 5 Sec. 5
117	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	raw material	Compressive strength of rigid plastics	ASTM D 695
118	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	raw material , sheet	Flexural Modulus	IS 13360 Pt. 5 Sec. 7
119	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	raw material, sheet	Flexural Modulus	ASTM D 790
120	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Raw material, Sheet	Tensile Strength & Elongation	ASTM D 638
121	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	sheet	Charpy impact strength	ASTM D 6110
122	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	sheet, film, pipe	Specific Gravity	IS 13360 Pt. 3 Sec. 10
123	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	sheet, raw material	Izod impact strength	ASTM D 256
124	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	sheet, raw material	Izod impact strength	IS 13360 Pt. 5 Sec IV
125	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	sheets, products	Hardness (Shore –A & D)	IS 3400 Pt. 2
126	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	tank	Visual Appearance	IS 12701
127	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	tank, pipe	dimensions	IS 15328
128	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	tank,film,pipe	Visual Appearance	IS 14151(PART1)
129	MECHANICAL- TEXTILE MATERIALS	Geomembranes	Breaking Load before & after UV Exposure	IS 15351
130	MECHANICAL- TEXTILE MATERIALS	tarpaulins	dimensions	IS:7903
131	MECHANICAL- TEXTILE MATERIALS	Tarpaulins	Puncture Test	IS 7903
132	MECHANICAL- TEXTILE MATERIALS	vermibed	dimensions	is15907

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133	MECHANICAL- TEXTILE MATERIALS	Vermibeds	Puncture Test	IS 15907
134	MECHANICAL- TEXTILE MATERIALS	WOVEN SACK	BREAKING STRENGTH	IS 11652
135	MECHANICAL- TEXTILE MATERIALS	WOVEN SACK	Breaking Strength before & after UV Exposure	IS14887
136	MECHANICAL- TEXTILE MATERIALS	WOVEN SACK	DIMENSION	IS: 9755
137	MECHANICAL- TEXTILE MATERIALS	WOVEN SACK	DIMENSIONS	IS 11652
138	MECHANICAL- TEXTILE MATERIALS	WOVEN SACK	DIMENSIONS	IS:16208
139	MECHANICAL- TEXTILE MATERIALS	WOVEN SACK	DIMENSIONS	IS14887
140	MECHANICAL- TEXTILE MATERIALS	Woven Sacks	Breaking Strength before & after UV Exposure	IS 14968
141	MECHANICAL- TEXTILE MATERIALS	Woven Sacks	Breaking Strength before & after UV Exposure	IS 16208
142	MECHANICAL- TEXTILE MATERIALS	Woven Sacks	Breaking Strength before & after UV Exposure	IS 16703
143	MECHANICAL- TEXTILE MATERIALS	Woven Sacks	Breaking Strength before & after UV Exposure	IS 9755