National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ALP OVERSEAS MATERIAL & PRODUCT TESTING LAB, KHASRA NO. 744, 745, 748/2463, 728, 698/2236 AND 683, VILLAGE GUGALKOTA, NEEMRANA, ALWAR, RAJASTHAN, INDIA

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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	Carbon Black	pH Value	ASTM D1512
2	CHEMICAL- PLASTIC & RESINS	Thermoplastic / Thermoset	Ash Content	ISO 3451-1
3	CHEMICAL- PLASTIC & RESINS	Thermoplastic / Thermoset	Limiting Oxygen Index	ASTM D2863
4	CHEMICAL- PLASTIC & RESINS	Thermoplastic / Thermoset	Limiting Oxygen Index	ISO 4589-2
5	CHEMICAL- PLASTIC & RESINS	Thermoplastic / Thermoset	Melting Point	ISO 3146
6	CHEMICAL- PLASTIC & RESINS	Thermoplastic / Thermoset	Moisture Content	ASTM D6980
7	CHEMICAL- PLASTIC & RESINS	Thermoplastic / Thermoset	Polymer Identification by FTIR Analysis	ASTM E1252
8	CHEMICAL- RUBBER & RUBBER PRODUCTS	Carbon Black	pH Value	ASTM D1512
9	CHEMICAL- RUBBER & RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Ash Content	ASTM D297 (Clause 35)
10	CHEMICAL- RUBBER & RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Polymer Identification Test by FTIR Analysis	ASTM E1252
11	CHEMICAL- RUBBER & RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Volatile-Matter Content	ISO 248-2
12	CHEMICAL- RUBBER & RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Volatile-Matter Content (Oven Method)	ISO 248-1
13	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber Chemicals	Melting Point	ASTM D1519
14	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Cellular Plastic Products	Apparent Density	ISO 845
15	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Poly Vinyl Chloride	Thermal Stability	IS 10810 (Part 60)
16	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Poly Vinyl Chloride	Thermal Stability (Method B)	ISO 305
17	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic	Melt Flow Index	IS 13360 (Part 4/Section 1)
18	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic	Melt Flow Index	ISO 1133-1

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19	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	% Elongation at Break	ISO 527-1
20	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	% Elongation at Break	ISO 527-2
21	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Charpy Impact Test	ASTM D6110
22	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Charpy Impact Test	IS 13360 (Part 5/Section 5)
23	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Charpy Impact Test	ISO 179-1
24	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Density	IS 13360 (Part 3/Section 10)
25	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Density	ASTM D792
26	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Density	ISO 1183-1
27	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Elongation	ASTM D638
28	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Elongation	IS 13360 (Part 5/Section 1)
29	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Elongation	ISO 527-3
30	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Hardness Shore A	ISO 868
31	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Hardness Shore D	ISO 868
32	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Heat Ageing	ASTM D3045
33	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Heat Deflection Test (HDT test)	IS 13360 (Part 6/Section 3)
34	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Heat Deflection Test (HDT test)	ISO 75-1
35	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Heat Deflection Test (HDT test)	ISO 75-2
36	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Heat Deflection Test (HDT test)	ISO 75-3
37	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Heat Deflection Test (HDT test) (Method B)	ASTM D648

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38	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Horizontal Flammability	FMVSS 302
39	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Horizontal Flammability	IS 15061
40	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Horizontal Flammability	ISO 3795
41	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Izod Impact Test	ASTM D256
42	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Izod Impact Test	IS 13360 (Part 5/ Section 4)
43	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Izod Impact Test	ISO 180
44	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Melt Flow Index	ISO 1133-2
45	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Melt Flow Index (Method A & B)	ASTM D1238
46	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Oil Heat Ageing	ISO 175
47	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Specific Gravity	ASTM D792
48	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Tensile Strength	ASTM D638
49	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Tensile Strength	IS 13360 (Part 5/Section 1)
50	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Tensile Strength	ISO 527-1
51	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Tensile Strength	ISO 527-2
52	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Tensile Strength	ISO 527-3
53	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Thermal Conductivity	ASTM C518
54	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Thermal Conductivity	ISO 8301
55	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Vicat Softening Temperature	ASTM D1525
56	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Vicat Softening Temperature	IS 13360 (Part 6/ Section 1)

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57	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Vicat Softening Temperature	ISO 306
58	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Water Absorption	ASTM D570
59	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Water Absorption	ISO 62
60	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Weathering Test	ASTM D2565
61	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Weathering Test	ASTM G155
62	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Weathering Test	ISO 16474-1
63	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Weathering Test	ISO 16474-2
64	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic / Thermoset	Weathering Test	ISO 4892-2
65	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic Elasotmer	Tensile Strength	ASTM D412
66	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic Elastomer	Elongation	ASTM D412
67	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastic Elastomer	Tear Strength	ASTM D624
68	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Apparent Density	ISO 845
69	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Compression Set	ASTM D395
70	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Compression Set	IS 3400 (Part 10/Section 1)
71	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Compression Set	IS 3400 (Part 10/Section 2)
72	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Compression Set	ISO 815-1
73	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Compression Set	ISO 815-2
74	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Density	ASTM D297 (Clause 15)
75	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Density	IS 3400 (Part 9)

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76	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Density	ISO 2781
77	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Dispersion of Fillers	ASTM D2663
78	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Elongation at Break	ASTM D412
79	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Elongation at Break	IS 3400 (Part 1)
80	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Elongation at Break	ISO 37
81	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Hardness Shore A	ASTM D2240
82	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Hardness Shore A	IS 3400 (Part 23/Section 1)
83	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Hardness Shore A	ISO 48-4
84	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Hardness Shore D	ASTM D2240
85	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Hardness Shore D	IS 3400 (Part 23/Section 1)
86	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Hardness Shore D	ISO 48-4
87	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Heat Ageing	ASTM D573
88	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Heat Ageing	IS 3400 (Part 4)
89	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Heat Ageing	ISO 188
90	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Horizontal Flammability	FMVSS 302
91	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Horizontal Flammability	IS 15061
92	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Horizontal Flammability	ISO 3795
93	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Low Temperature Resistance	ASTM D2137
94	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Low Temperature Resistance	ISO 812

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95	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Mooney Viscosity	ASTM D1646
96	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Mooney Viscosity	ISO 289-1
97	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Oil Heat ageing	ASTM D471
98	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Oil Heat Ageing	IS 3400 (Part 6)
99	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Oil Heat Ageing	ISO 1817
100	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Ozone Resistance	ASTM D1149
101	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Ozone Resistance	IS 3400 (Part 20)
102	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Ozone Resistance	ISO 1431-1
103	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Resistance to Bending	IS 638 (Clause 3.7.1)
104	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Tear Strength	ASTM D624
105	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Tear Strength	IS 3400 (Part 12)
106	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Tear Strength	ISO 34-1
107	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Tensile Strength	ASTM D412
108	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Tensile Strength	IS 3400 (Part 1)
109	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Tensile Strength	ISO 37
110	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Thermal Conductivity	ASTM C518
111	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Thermal Conductivity	ISO 8301
112	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Vulcanization Characteristics of Rubber compounds	ASTM D5289
113	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Vulcanization Characteristics of Rubber compounds	ISO 6502-2

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114	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Weathering Test	ASTM D1148
115	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Weathering Test	ASTM D2565
116	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Weathering Test	ASTM G155
117	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Weathering Test	ISO 16474-1
118	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural Rubber / Synthetic Rubber	Weathering Test	ISO 16474-2