National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : LABORATORY OF HINDUSTAN COLAS PRIVATE LIMITED, MAIN ROAD, MALKAPURAM, VISAKHAPATNAM, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8036 **Page No** 1 of 2

Validity 06/01/2022 to 05/01/2024 **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	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	COAGULATION AT LOW TEMPERATURE	IS 8887 (ANNEX C)
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	KINEMATIC VISCOSITY AT 135°C	IS 1206 (PART-3)
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Solubility in Trichloroethylene	IS 1216
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coating Ability	IS 8887 (Annex F)
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Distillation Test	IS 1213
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Particle Charge	IS 8887 ((Annex E)
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by Evaporation	IS 8887 (Annex J)
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600um	IS 8887 (Annex B)
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Stability to mixing with cement (% coagulation),	IS 8887 (Annex G)
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage Stability after 24 Hrs	IS 8887 (Annex D)
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Test on Ductility	IS 1208
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Viscosity by Saybolt Furol Viscometer	IS 3117 (Annex A)
13	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	WATER CONTENT	IS 1211
14	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Water Miscibility	IS 8887 (Annex H)
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen, Modified Bitumen	Absolute Viscosity @ 60°C	IS 1206 (PART-2)
16	MECHANICAL- BUILDINGS MATERIALS	Bitumen, Modified Bitumen	Flash Point	IS 1209
17	MECHANICAL- BUILDINGS MATERIALS	Bitumen, Modified Bitumen	PENETRATION	IS 1203
18	MECHANICAL- BUILDINGS MATERIALS	Bitumen, Modified Bitumen	SOFTENING POINT	IS1205

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19	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen	Brookfield Kinematic Viscosity at 135/150 degree	ASTM D 4402
20	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Bitumen Emulsion	Test on Residue Ductility	IS1208
21	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Modified Bitumen	Determination of Flash and Fire Points	IS 1448 : Part 69
22	MECHANICAL- BUILDINGS MATERIALS	Bitumen/Modified Bitumen	Preparation of Rolling Thin Film Oven(RTFO) Test Residue	IS 15462 Annexure-E
23	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen	Complex modulus (G*) divided by Sin delta (G*/sin d) as Min 1.0 kPa, 25 mm Plate, 1 mm Gap, at 10 rad/s, at a temperature, °C & Phase Angle (d), degree, Max	IS15462 : Annex B
24	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen	Elastic Recovery	IS 15462 (ANNEX A)
25	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen	Loss in heating in TFOT	IS 9382
26	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen	Separation, difference in softening point (R&B), °C, Max	IS 15462 (ANNEX c)
27	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen	Tests to be Carried out on Rolling Thin Film Oven (RTFO) Residue2) MSCR TEST	IS15462: 2019:Annex D
28	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen	VISCOSITY AT 150 °C	IS 1206 (PART-1)
29	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen (CRMB)	DETERMINATION OF ELASTIC RECOVERY	IS 17079