National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : LABORATORY OF HINDUSTAN COLAS PRIVATE LIMITED, AMBABAI, JHANSI, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8181 **Page No** 1 of 3

Validity 18/01/2023 to 17/01/2025 **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 (Annexure C)
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coating ability	IS 8887 (Annexure F)
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Distillation test	IS 1213
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Miscibility with water	IS 8887 (Annexure H)
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Mixing Time	IRC SP-81
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Particle Charge	IS 8887 (Annexure E)
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600 µm	IS 8887 (Annexure B)
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Stability to mixing with cement	IS 8887 (Annexure G)
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage Stability after 24h	IS 8887 (Annexure D)
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Test on Residue Elastic Recovery at 25 25°C	IS 15462
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Test on Residue Softening point	IS 1205
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Test on Residue, Solubility in Trichloroethylene	IS 1219
13	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Test on Residue,Ductility	IS 1208
14	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Test on Residue,Penetration	IS 1203
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Test on Residue,Residue by Evaporation	IS 8887 (Annexure J)
16	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Viscosity by Say bolt Furol Viscometer at 25 °C	IS 3117 (Annexure A)
17	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Viscosity by Say bolt Furol Viscometer at 50°C	IS 3117 (Annexure A)
18	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Water Content	IS 1211

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19	MECHANICAL- BUILDINGS MATERIALS	Modified bitumen	Complex Modulus G* divided by sin delta (G*/sin)	IS 15462 Annex B
20	MECHANICAL- BUILDINGS MATERIALS	Modified bitumen	Elastic Recovery at 15 °C	IS 15462
21	MECHANICAL- BUILDINGS MATERIALS	Modified bitumen	Flash Point	IS 1448 (Part 69
22	MECHANICAL- BUILDINGS MATERIALS	Modified bitumen	FRAASS Breaking Point	IS 9381
23	MECHANICAL- BUILDINGS MATERIALS	Modified bitumen	Penetration	IS 1203
24	MECHANICAL- BUILDINGS MATERIALS	Modified bitumen	Separation Difference in Softening Point	IS 15462
25	MECHANICAL- BUILDINGS MATERIALS	Modified bitumen	Softening Point	IS 1205
26	MECHANICAL- BUILDINGS MATERIALS	Modified bitumen	Test on Residue (TFOT) Elastic Recovery at 25 °C	IS 15462
27	MECHANICAL- BUILDINGS MATERIALS	Modified bitumen	Test on Residue (TFOT) Increase in Softening Point	IS 1205
28	MECHANICAL- BUILDINGS MATERIALS	Modified bitumen	Test on Residue (TFOT) Loss in mass	IS 9328
29	MECHANICAL- BUILDINGS MATERIALS	Modified bitumen	Test on Residue (TFOT) Reduction in penetration	IS 1203
30	MECHANICAL- BUILDINGS MATERIALS	Modified bitumen	Viscosity at 150°C	ASTM D-4402
31	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Absolute Viscosity @ 60 °C	IS 1206 (Part 2)
32	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Flash Point	IS 1448 (Part 69)
33	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Kinematic Viscosity @ 135 °C	IS 1206 (Part 3)
34	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Kinematic Viscosity at 135°C	ASTM D-4402
35	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Penetration at 25°C	IS 1203
36	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Softening Point (R&B)	IS 1205
37	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Solubility in Trichloroethylene	IS 1216

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38	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Tests on residue from RTFOT - Ductility at 25°C	IS 1208
39	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Tests on residue from RTFOT - Viscosity ratio at 60°C	IS 1206 (Part 2)