

Laboratory

Laboratory Division, Hindustan Colas Pvt. Ltd., Village Bala, Via
Katipalla, Mangalore, Dakshina Kannada, Karnataka

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

TC-7961

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Validity

10.10.2018 to 09.10.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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MECHANICAL TESTING

I.	BUILDING MATERIAL			
1.	Bitumen and Modified Bitumen	Penetration	IS 1203	1 division to 380 division
		Softening Point	IS 1205	40 °C to 100 °C
		Ductility	IS 1208	50 cm to 100 cm
		Absolute Viscosity @ 60 °C	IS 1206 (Part-2)	300 Poise to 4000 Poise
		Kinematic Viscosity @ 135 °C	IS 1206 (Part-3)	250 cSt to 450 cSt
		Viscosity @ 150 °C	IS 1206 (Part-1)	2 Poise to 9 Poise
		Loss in heating in TFOT	IS 9382	0.001% to 1%
		Flash Point	IS 1209 (Method-C)	220 °C to 350 °C
		Solubility in Trichloroethylene	IS 1216	95 % to 100 %
		Elastic Recovery	IS 15462	30 % to 95 %
2.	Bitumen Emulsion	Residue on 600 µm sieve	IS 8887 (Annexure-B)	0.01 % to 0.1 %
		Viscosity by Saybolt Furol Viscometer	IS 3117 (Annexure-A)	20 s to 300 s
		Coagulation of emulsion at low temperature	IS 8887 (Annexure-C)	Qualitative
		Storage Stability after 24 hours	IS 8887 (Annexure-D)	0.1% to 2%
		Stability to mixing with cement	IS 8887 (Annexure-G)	0.01% to 2%
		Water Miscibility	IS 8887 (Annexure-H)	Qualitative
		Coating ability	IS 8887 (Annexure-F)	Qualitative
		Distillation test	IS 1213	0.1% to 100%
		Particle Charge	IS 8887 (Annexure-E)	Qualitative
		Residue by Evaporation	IS 8887 (Annexure-J)	1 % to 90 %
	Penetration Test	IS 1203	1 division to 380 division	