

Laboratory	Shree Balaji Test House Pvt. Ltd. F.C.A-560, Chawla Colony, Ballabgarh, Haryana		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Calibration	Issue Date	21.07.2015
Certificate Number	C-1241	Valid Until	20.07.2017
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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I. DIMENSION			
1. Dial Gauge ^{\$} L.C.: 0.01 mm	0 to 25 mm	0.009 mm	Using Dial Calibration Tester
2. Test Sieves ^{\$} (aperture size)	45 μ m to 3.35 mm	0.005 mm	Using Profile Projector
3. Test Sieves ^{\$} (aperture size)	>3.35 mm to 120 mm	0.013 mm	Using Vernier Caliper
4. Vernier Caliper ^{\$} (Digital / Dial) L.C. : 0.01 mm ^Φ	0 to 300 mm	18 μ m	Using Vernier Caliper & Caliper Checker
II. PRESSURE			
1. Dial/ Digital Pressure Gauge [#] (Hydraulic)	0 to 650 kg/cm ²	1.1 kg/cm ²	Using Digital Pressure Gauge & hydraulic comparator pump
III. FORCE			
1. Compression Testing Machine / UTM in Compression Mode [*]	10 kN to 2000 kN	0.63 %	Using Force Proving Instruments as per IS 1828 (Part-1): 2005

Ranjith Kumar
Convenor

Avijit Das
Program Manager

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IV. MASS			
1. Weighing Machine #			
$d \leq 0.1$ mg	0 to 200 g	0.4 mg	Using Weights of accuracy Class F1, Procedure based on OIML R-76 (2006)
$d \leq 10$ mg	0 to 5 kg	30 mg	
$d \leq 100$ mg	0 to 5 kg	130 mg	
$d \leq 100$ mg	0 to 20 kg	150 mg	
$d \leq 1$ g	0 to 20 kg	1.2 g	
$d \leq 1$ g	0 to 100 kg	1.3 g	
$d \leq 10$ g	0 to 100 kg	15 g	
$d \leq 100$ g	0 to 100 kg	150 g	
V. VOLUME			
1. Pipette \$			
	0.1 ml to 1 ml	0.02 ml	Standard Weights of Class F1, Precision Balance & Distilled water of known density by Gravimetric Method
	0.1 ml to 2 ml	0.02 ml	
	0.1 ml to 5 ml	0.02 ml	
	0.1 ml to 10 ml	0.02 ml	
	0.1 ml to 20 ml	0.02 ml	
	0.1 ml to 25 ml	0.02 ml	
	0.1 ml to 50 ml	0.02 ml	
2. Burette \$			
	0.1 ml to 5 ml	0.103 ml	Using Standard Weights of Class F1, Precision Balance & Distilled water of known density by Gravimetric Method
	0.1 ml to 10 ml	0.004 ml	
	0.1 ml to 20 ml	0.010 ml	
	0.1 ml to 25 ml	0.05 ml	
	0.1 ml to 50 ml	0.05 ml	

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3.	Measuring Cylinder ^{\$}	0.1 ml to 5 ml 0.1 ml to 10 ml 0.1 ml to 25 ml 0.1 ml to 50 ml 0.1 ml to 100 ml 0.1 ml to 250 ml 0.1 ml to 500 ml 0.1 ml to 1000 ml	0.2 ml 0.2 ml 0.2 ml 0.2 ml 0.39 ml 0.40 ml 0.40 ml 0.40 ml	Using Standard Weights of Class F1, Precision Balance & Distilled water of known density by Gravimetric Method
4.	Volumetric Flask/Graduated Jar / Can ^{\$}	1 ml to 5 ml > 5 ml to 10 ml > 10 ml to 25 ml > 25 ml to 50 ml > 50 ml to 100 ml >100 ml to 200 ml >200 ml to 250 ml >250 ml to 500 ml > 500 ml to 1000 ml	0.2 ml 0.3 ml 0.4 ml 0.4 ml 0.5 ml 0.5 ml 0.6 ml 1.0 ml	Using Standard Weights of Class F1, Precision Balance & Distilled water of known density by Gravimetric Method
5.	Blaine Cell Volume ^{\$}	1.5 ml to 2.0 ml	0.0034 ml	Using Standard Weights of Class F1, Precision Balance & Distilled water of known density by Gravimetric method

* Measurement Capability is expressed as an uncertainty (\pm) at a confidence probability of 95%

^{\$}Only in Permanent Laboratory

^{*}Only for Site Calibration

[#]The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.

^o Laboratory can also calibrate instruments/devices of coarser resolution / least count within the accredited range using same reference standard/ master equipment under the scope of accreditation.

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