

Laboratory True Value Calibration Services, No. 170, Athipalayam Road,
Ganapathy Post, Coimbatore, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2937 **Page** 1 of 3

Validity 21.1.2019 to 20.01.2021 **Last Amended on** -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
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"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

MECHANICAL CALIBRATION

I.	WEIGHTS			
1.	Mass ^s Accuracy Class F2 and Coarser	1 mg 2 mg 5 mg 10 mg 20 mg 50 mg 100 mg 200 mg 500 mg 1 g 2 g 5 g 10 g 20 g 50 g 100 g 200 g	0.02 mg 0.02 mg 0.02mg 0.02 mg 0.02 mg 0.02 mg 0.02 mg 0.02 mg 0.02 mg 0.02 mg 0.03 mg 0.03 mg 0.03 mg 0.03 mg 0.04 mg 0.14 mg 0.20 mg	Using E2 Standard Weights &, Semi-Micro Balance (Readability 0.01/0.1mg) by ABBA Method as per OIML R 111-1
	Accuracy Class M2 and Coarser	500 g 1 kg 2 kg 5 kg	10.1 mg 10.2 mg 20 mg 100 mg	Using F1 Standard Weights, & Electronic Balance (Readability 0.01g) by ABBA Method as per OIML R 111-1
	Accuracy Class M1 and Coarser	10 kg 20 kg	104 mg 117 mg	Using F2 Standard Weights, & Electronic Balance (Readability 0.1g) by ABBA Method as per OIML R 111-1

Shally Sharma
Convenor

Avijit Das
Program Manager

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II.	WEIGHING SCALE AND BALANCE			
1.	Weighing Balance* Readability: 0.001mg Readability: 0.01mg Readability: 0.1mg Readability: 0.01g Readability: 0.1g Readability: 10g Readability: 200g	Up to 20g >21 g to 80 g >80 g to 220 g >220 g to 3 kg >3 kg to 20 kg >20 kg to 100 kg >100 kg to 1000 kg	0.004 mg 0.05 mg 0.12 mg 30 mg 300 mg 13 g 130g	Using E1 Standard Weights as per OIML R 76 Using E1 & F1 Standard Weights as per OIML R 76 Using F1& M1 Standard Weights as per OIML R 76
III.	VOLUME			
1.	Micropipette [§] (Piston Operated Volumetric Apparatus)	10 μ l to 100 μ l 100 μ l to 1000 μ l 1 ml to 10 ml	0.14 μ l 1.1 μ l 9.1 μ l	Using Precision Balance by Gravimetric Method Procedure based on ISO 8655-6
2.	Pipette/Burette/ Measuring Cylinder/Beakers/ Volumetric Flask [§]	1 ml to 10 ml 10 ml to 20 ml 20 ml to 100 ml	5.9 μ l 5.9 μ l 54 μ l	Using Precision Balance by Gravimetric Method Procedure based on ISO 4787
3.	Volumetric Flask / Beakers/Conical Flask/Measuring Jar/ Cane [§]	>1000ml to 5000 ml	22 ml	Using Precision Balance by Gravimetric Method Procedure based on ISO 4787

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

[§] Only in Permanent Laboratory

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*Only for Site Calibration

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