

Laboratory Shanker Wire Products Industries - Calibration Laboratory,
 Kalirekha, B. Deoghar, Jharkhand
Accreditation Standard ISO/IEC 17025: 2005
Certificate Number CC-2601 (in lieu of C-1082) **Page** 1 of 2
Validity 16.06.2018 to 15.06.2020 **Last Amended on** -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
I.	MASS			
1.	Weights Calibration of Weights of M1 Class and Coarser ^{\$}	50 g 100 g 200 g 500 g 1 kg 2 kg 5 kg 10 kg 20 kg 50 kg 100 kg 200 kg 500 kg 1000 kg	0.00085 g 0.00091 g 0.00090 g 0.00822 g 0.0086 g 0.009 g 0.0821 g 0.0834 g 0.0900 g 0.133 g 1.120 g 1.452 g 3.087 g 5.976 g	Using F1 Class Weights & Precision Balance of Readability : 1 mg to 100 mg Upto 50 kg as per OIML R-111 Using F2 Class Standard Weights and Precision Balance of Readability : 2 g Up to 1000 kg as per OIML R-111
II.	WEIGHING SCALE AND BALANCE			
1.	Weighing Balance* d = 1 mg d = 10 mg d = 10 mg d = 100 mg d = 100 mg	(0 to 210 g) (>210 g to 3.2) kg (>3.2 to 10.1) kg (>10.1 to 35.1) kg (>35.1 to 61.1) kg	2.44 mg 24.5 mg 41.3 mg 96.8 mg 592 mg	Using Standard Weight F1 Class till 50 kg, as per OIML R-76

Abhinav Thakur
 Convenor

Avijit Das
 Program Director

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
	d = 2 g	(>50 to 1000) kg	8.312 g	Using Standard Weight F2 Class of 100 kg to 1000 kg, as per OIML R-76

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

^s Only in Permanent Laboratory

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

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