

Laboratory **Mass Weigh Systems Private Limited, Yash Arcade, Plot No. X-9,
Office No. 8, M.I.D.C., Dombivili (E), Mumbai, Maharashtra**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **CC-2190** Page **1 of 2**

Validity **03.07.2018 to 02.07.2020** Last Amended on **-**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
I.	WEIGHTS			
1.	Mass ^s E2, F1 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	0.0015 mg 0.0016 mg 0.0016 mg 0.0023 mg 0.0024 mg 0.0033 mg 0.0041 mg 0.0042 mg 0.005 mg 0.005 mg 0.007 mg 0.013 mg 0.016 mg 0.0181 mg 0.020 mg 0.030 mg 0.088 mg	Using E1 class standard weights & Digital weighing Balance of capacity upto 5 g d =0.001 mg (1 μ g) upto 100 g d=0.01 mg and upto 200 g d=0.1 mg respectively With ABBA Method as per OIML R-111 : 2004
	F2, M1 and Coarser	500 g 1 kg 2 kg 5 kg 10 kg 20 kg	2.3 mg 3.0 mg 9.1 mg 14.9 mg 20.2 mg 100.0 mg	Using F1 Class Standard weights and Digital Weighing Balance of Capacity up to 1 kg with d=1 mg and up to 10 kg with d= 10 mg and up to 20 kg and d=100 mg With ABBA Method as per OIML R-111: 2004

Sangeeta Kunwar
Convenor

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II.	WEIGHING SCALE AND BALANCE			
1.	Weighing Balance [#] (Class I)			
	Readability: 0.001 mg (1 μ g)	1 mg to 5 g	0.004 mg	Using E1 Class Standard Weights as per OIML R-76
	Readability: 0.01 mg	5 g to 100 g	0.021 mg	
	Readability: 0.1 mg	100 g to 210 g	0.06 mg	
	Readability: 1 mg	210 g to 1 kg	2.14 mg	Using E1, F1 and M1 Class Standard Weights as per OIML R-76
	Readability: 10 mg	1 kg to 10 kg	13.7 mg	
	Readability: 100 mg	10 kg to 20 kg	0.12 g	
	Weighing Balance (Class II)			
	Readability: 1 g	20 kg to 30 kg	1.0 g	
	Readability: 10 g	30 kg to 300 kg	10.0 g	

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

[§] 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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