Laboratory	**Regional Reference Standards Laboratory, Department of Consumer Affairs, Government of India, Jakkur, Bangalore, Karnataka**			
Accreditation Standard	**ISO/IEC 17025: 2005**			
Certificate Number	**CC-2732**		**Page**	**1 of 2**
Validity	**22.06.2018 to 21.06.2020**		**Last Amended on**	**-**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
	MECHANICAL CALIBRATION			
I.	**WEIGHTS**			
1.	Mass/ Weights[$] Calibration of Weights of Class F1 Accuracy and coarser	1 mg	0.006 mg	Using E2 Class Standard Weights and Mass and Weighing Balance (Readability : 0.0001 mg) & Calibration of Weights is based on Substitution Method & ABBA Weighing Cycle as per OIML R 111
		2 mg	0.006 mg	
		5 mg	0.006 mg	
		10 mg	0.008 mg	
		20 mg	0.010 mg	
		50 mg	0.012 mg	
		100 mg	0.016 mg	
		200 mg	0.020 mg	
		500 mg	0.025 mg	
		1 g	0.03 mg	
		2 g	0.04 mg	
		5 g	0.05 mg	
		10 g	0.06 mg	Using E 2 Class Standard Weights and Weighing Balances upto 100 g/200 g (Readability :- 0.001 mg / 0.01 mg)
		20 g	0.08 mg	
		50 g	0.10 mg	
		100 g	0.16 mg	
		200 g	0.3 mg	
		500 g	0.8 mg	Using E 2 Class Standard Weights and Mass Comparator (Readability :- 0.1 mg / 1 mg)
		1 kg	1.6 mg	
		2 kg	3.0 mg	
		5 kg	8.0 mg	
		10 kg	8.0 mg	

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
II.	**WEIGHING SCALE AND BALANCE**			
1.	Calibration of Electronic[#] Weighing Balance of Class 1 and Coarser			
	d=0.1 µg	0 to 5 g	0.016 mg	Using Standard Weights 1 mg to 5 kg (E 2 Class) based on OIML R 76-1
	d= 0.001 mg and Coarser	>5 g to 100 g	0.1 mg	
	d=0.01 mg and Coarser	>100 g to 200 g	0.1 mg	
2.	Calibration of Electronic [#] Weighing Balance of Class II and Coarser			
	d= 0.01 mg and Coarser	> 200 g to 1 kg	0.5 mg	Using Standard Weights 1 mg to 5 kg (E 2 Class) based on OIML R 76-1
	d=0.1 mg and Coarser	> 1 kg to 2 kg	1 mg	
	d=1 mg and Coarser	> 2 kg to 10 kg	5 mg	

*** Measurement Capability is expressed as an uncertainty (±) 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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