

NO: SAMM 375

Page: 4 of 17

SCOPE OF CALIBRATION: MASS

SITE: CATEGORY I

Instrument Calibrated/ Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty ($\pm$)*	Remarks
Analytical balances	Up to 100 g Up to 200 g	0.46 mg 0.88 mg	Calibration using Standard weight with reference to ASTM E898:2020 The calibration procedures covers test on instrumental error, repeatability and eccentric.
Weighing balances / Scale (Spring / Hanging Scale / Top Pan, Mechanical & Electronic)	Up to 500 g Up to 600 g Up to 1 kg Up to 2 kg Up to 5 kg Up to 6 kg Up to 10 kg Up to 20 kg Up to 30 kg	4.2 mg 4.3 mg 4.5 mg 8.7 mg 10 mg 12 mg 0.16 g 0.2 g 0.25 g	
	Up to 50 kg Up to 60 kg Up to 100 kg	2.6 g 3.1 g 5 g	

Signatories:

1. Manivannan A/L Subramaniam
2. Bhavani A/P Gopal Krishnan