

National Metrology Laboratory

Schedule of Mass Calibration

Calibration performed on permanent laboratory premises

NML – Mass Laboratory

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Details of Calibration service

Measured Quantity Instrument or Gauge	Range	Best Measurement Capability Expressed as an Expanded Uncertainty ($k=2$)	Remarks
MASS	Nominal value (g)	(g)	NOTES
	1 000 000	18	1 Calibrations can be given in other units as required.
	500 000	10	
	200 000	5	
	100 000	5	
	50 000	0.17	
		(mg)	2 For nominal values of 20 kg and below the best measurement capability stated above relates to measurements made on standards which are constructed in accordance with the principles contained in OIML Recommendation 111 for weights of Class E2.
	20 000	10	
	10 000	5	
	5 000	2.5	
	2 000	1.0	
	1 000	0.5	
	500	0.25	
	200	0.10	
	100	0.05	
	50	0.030	
	20	0.025	
	10	0.020	
	5	0.015	
	2	0.012	
	1	0.010	
	0.5	0.008	
	0.2	0.006	
	0.1	0.005	
	0.05	0.004	
	0.02	0.003	
	0.01	0.002	
	0.005	0.002	
	0.002	0.002	
	0.001	0.002	
			3. The Best Measurement Capabilities in Column 3 have been rounded up to be equal to or less than 1/3 rd of the E2 class tolerance
			4 Weights are calibrated according to the following classifications: E2 : 20kg to 1mg F1 : 20kg to 1mg F2: 20kg to 1mg M1:1000kg to 1mg
			5. Weights are adjusted where possible and necessary.