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Certificate number 48104  
05 February 2025

Total Laboratory Services Limited  
Unit 14C Sunrise Business Park  
Higher Shaftesbury Road  
Blandford Forum  
Dorset  
DT11 8ST

## CERTIFICATE OF CALIBRATION

We hereby certify that the five stainless steel and flat plate weights 1kg – 100mg listed below have been calibrated to fall within O.I.M.L. class  $M_1$  tolerance.

Nominal Value	Difference from Nominal Value mg
1 kg G1016636	+ 48
500 g G1016639	+ 21
1 g W10599	+ 0.4
500 mg W10599	+ 0.1
100 mg W10599	+ 0.2

The measured values reported in this certificate were determined by comparison weighing methods against our laboratory's reference standards with a hypothetical density of 8000 kg/m<sup>3</sup> which in air of density 1.2kg/m<sup>3</sup> would balance the nominal weight.

**Traceability** to National Standards is established by comparison to WEIGHTS standard class E<sub>2</sub> weight set number 988 certified on UKAS certificate number UP1228. Date of issue 21st August 2024 by Norfolk Calibration Services. UKAS calibration number 0260.

**Recommended recalibration May 2026.** Why should recalibration be carried out?

Recalibration of test equipment is a major requirement for quality management systems. All test weights vary with time due to wear and the collection of grime. The extreme of weight change varies with the environment the weights are used in, consequently periodic recalibration at regular intervals is required.

Signed



Directors: Simon Fenton, Lesley Fenton, Karen Fenton  
Registered in England & Wales, Company 4787421  
VAT Number: GB 183 2359 02  
Registered Office: Investment House, 24 Vicarage Road, Winslow, Bucks MK18 3BE

# Weights

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## OIML +/- maximum permissible tolerance on calibration weights

Nominal Value	Class E <sub>1</sub> mg	Class E <sub>2</sub> mg	Class F <sub>1</sub> mg	Class F <sub>2</sub> mg	Class M <sub>1</sub> mg	Class M <sub>2</sub> mg
50Kg	25	80	250	800	2,500	8,000
20Kg	10	30	100	300	1,000	3,000
10Kg	5.0	16	50	160	500	1,600
5kg	2.5	8.0	25	80	250	800
2kg	1.0	3.0	10	30	100	300
1kg	0.5	1.6	5.0	16	50	160
500g	0.25	0.8	2.5	8.0	25	80
200g	0.10	0.3	1.0	3.0	10	30
100g	0.05	0.16	0.5	1.6	5.0	16
50g	0.03	0.10	0.3	1.0	3.0	10
20g	0.025	0.08	0.25	0.8	2.5	8.0
10g	0.020	0.06	0.20	0.6	2.0	6.0
5g	0.016	0.05	0.16	0.5	1.6	5.0
2g	0.012	0.04	0.12	0.4	1.2	4.0
1g	0.010	0.03	0.10	0.3	1.0	3.0
500mg	0.008	0.025	0.08	0.25	0.8	2.5
200mg	0.006	0.020	0.06	0.20	0.6	2.0
100mg	0.005	0.016	0.05	0.16	0.5	1.6
50mg	0.004	0.012	0.04	0.12	0.4	-
20mg	0.003	0.010	0.03	0.10	0.3	-
10mg	0.003	0.008	0.025	0.08	0.25	-
5mg	0.003	0.006	0.020	0.06	0.20	-
2mg	0.003	0.006	0.020	0.06	0.20	-
1mg	0.003	0.006	0.020	0.06	0.20	-

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