



Weights Limited  
27 Acacia Close, Cherrycourt Way  
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Certificate Number **49409**  
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13 May 2026

Total Laboratory Services Limited  
Unit 14C  
Sunrise Business Park  
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Dorset  
DT11 8ST

## CERTIFICATE OF CALIBRATION

We hereby certify that the seven cast iron and brass and flat plate weights 20kg – 100mg listed below have been calibrated to fall within O.I.M.L. class M<sub>1</sub> tolerance.

Nominal Value	Difference from Nominal Value in mg
20 kg W20	+ 741
10 kg W10	+ 231
1 kg G1016636	+ 42
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 UR2388. Date of issue 5th November 2025 by Norfolk Calibration Services. UKAS calibration number 0260.

### Recommended Recalibration - August 2027.

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

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

Nominal Value	Class E1 mg	Class E2 mg	Class F1 mg	Class F2 mg	Class M1 mg	Class M2 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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