



Unit A5, Greenway Business Park
Winslow Road, Great Horwood
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Certificate number 48103
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 two cast iron weights 20kg – 10kg listed below have been calibrated to fall within O.I.M.L. class M₁ tolerance.

Nominal Value	Difference from Nominal Value mg
20 kg W20	+ 674
10 kg W10	+ 396

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/m³ which in air of density 1.2kg/m³ would balance the nominal weight.

Traceability to National Standards is established by comparison to WEIGHTS standard class E₂ 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
VAT Number: GB 183 2359 02
Registered in England & Wales, Company 4787421
Registered Office: Investment House, 24 Vicarage Road, Winslow, Bucks MK18 5BE

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OIML \pm - 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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