



Weights Limited
27 Acacia Close, Cherrycourt Way
Leighton Buzzard, Bedfordshire
LU7 4QE

Tel: 01525 810919
sales@weightsltd.co.uk
www.weightsltd.co.uk

Certificate Number 48532

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27 June 2025

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

CERTIFICATE OF CALIBRATION

We hereby certify that the four stainless steel weights 50g – 5g listed below have been calibrated to fall within O.I.M.L. class F₁ tolerance.

Nominal Value	Measured Value g	Uncertainty +/- mg on UKAS Weights
50 g 15865	49.999 9	0.25
20 g W9394	20.000 00	0.025
10 g W9395	10.000 05	0.020
5 g W9396	5.000 02	0.016

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 - September 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 3BE



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OIML +/- maximum permissible tolerance on calibration weights						
Nominal Value	Class E ₁ mg	Class E ₂ mg	Class F ₁ mg	Class F ₂ mg	Class M ₁ mg	Class M ₂ 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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