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 48950

04 December 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 seven cast iron slotted and one cast iron hanger weight 10kg – 1kg listed below have been calibrated to fall within O.I.M.L. class M_1 tolerance.

Nominal Value	Difference from Nominal Value in mg
10 kg TLS1	**+ 456**
10 kg TLS2	**+ 443**
10 kg TLS3	**+ 405**
10 kg TLS4	**+ 376**
10 kg R165	**+ 455**
5 kg TLS1	**+ 101**
2 kg TLS1	**+ 23**
2 kg TLS2	**+ 60**
1 kg 050	**+ 39**

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^3 which in air of density 1.2kg/m^3 would balance the nominal weight.

Traceability to National Standards is established by comparison to WEIGHTS standard class E_2 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 - March 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 

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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 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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