

# Weights Limited

Unit A5, Greenway Business Park  
Winslow Road, Great Horwood  
Buckinghamshire, MK17 0NP

Tel: 01296 712171  
sales@weights.uk.com  
www.weights-uk.com

Certificate number **47280**  
**03 April 2024**

**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 F<sub>1</sub> tolerance.

| Nominal Value | Measured Value g | Uncertainty <sup>+</sup> / - mg on UKAS Weights |
|---------------|------------------|---|
| 50 g W15865   | 50.000 2         | 0.03  |
| 20 g W9394    | 20.000 15        | 0.025   |
| 10 g W9395    | 10.000 14        | 0.020   |
| 5 g W9396     | 5.000 05         | 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/m<sup>3</sup> which in air of density 1.2kg/m<sup>3</sup> would balance the nominal weight.

WEIGHTS standard class E<sub>2</sub> weight set number 988 certified on UKAS certificate number UN0627  
Date of issue 28th June 2023 by Norfolk Calibration Services. UKAS calibration number 0260.

**Traceability** to National Standards is established by comparison to Norfolk Calibration Services class E<sub>2</sub> weight sets.

**Recommended recalibration July 2025.** 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



# Weights

Directors: Simon Fenton, Lesley Fenton, Karen Fenton  
Registered in England & Wales, Company 4757421  
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 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                    | -                       |

**Note: Non standard weights not listed, the next highest weight tolerance applies.**

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