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**Certificate number 45731**  
**17 January 2023**

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

## CERTIFICATE *of* CALIBRATION

We hereby certify that the brass 5kg weight in set W752 has been calibrated to fall within O.I.M.L. class M<sub>1</sub> tolerance +/- 250mg.

Nominal Value	Difference from Nominal Value mg
5 kg	+ 42

Weights are calibrated against standards with a hypothetical density of 8000 kg/m<sup>3</sup> which it balances in air density of 1.2kg/m<sup>3</sup>. The equipment has been calibrated by weighing in air using the method of substitution (Borda's Method).

Weights are tested and calibrated against WEIGHTS standard class E<sub>2</sub> weight set number 988 certified on UKAS certificate number UM0310 date of issue 24th May 2022 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 April 2024.** 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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