Weights Limited

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Certificate number 45591
06 December 2022

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

CERTIFICATE of CALIBRATION

We hereby certify that the 50g 20g 10g and 5g stainless steel listed weights have been calibrated to fall within O.I.M.L. class F_1 tolerance.

Nominal Value	Measured Value g	Uncertainty +/- mg on UKAS Weights
50g (15865)	50.000 07	0.03
20g (W9394)	20.000 01	0.025
10g (W9395)	10.000 04	0.02
5g (W9396)	5.000 03	0.015

Weights are calibrated against standards with a hypothetical density of 8000 kg/m^3 which balances in air density of 1.2kg/m^3. 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_2 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_1 weight sets.

Recommended recalibration March 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