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 46057
17 March 2023

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 5 x 10kg, 5kg and 2x2kg cast iron slotted and 1kg cast iron hanger listed weights have been calibrated to fall within O.I.M.L. class M_1 tolerance.

Nominal Value	Difference from Nominal Value mg
10kg (TLS 1)	+ 418
10kg (TLS 2)	+ 403
10kg (TLS 3)	+ 326
10kg (TLS 4)	+ 349
10kg (R165)	+ 494
5kg (TLS 1)	+ 172
2kg (TLS 1)	+ 74
2kg (TLS 2)	+ 53
1kg (C50) hanger weight	+ 47

Weights are calibrated against standards with a hypothetical density of 8000 kg/m^3 which it 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_2 weight sets.

Recommended recalibration June 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