CERTIFICATE OF CALIBRATION

ISSUED BY **D BRASH & SONS LTD**

DATE OF ISSUE **7th April 2021** **CERTIFICATE NUMBER** **88354**

Any queries relating to this certificate should be passed to issuing branch (marked with *)

D Brash & Sons Ltd
37 Stamperland Crescent
Clarkston, Glasgow, G76 8LH
Tel: 0141 638 2284
Fax: 0141 620 1842 ( )

D Brash & Sons Ltd
Unit 7, Slough Business Centre
Bristol Way
Slough
Berkshire, SL1 3TD
Tel: 01753 511801
Fax: 01753 694447 (*)

APPROVED SIGNATORIES
Name:

SIGNATURE:

CUSTOMER:

A N Example

Nominated Contact: J Bloggs

Weight Unit used: kilograms
(except where specific unit is indicated)

The calibration was carried out by placing calibrated weights on the load receptor as detailed overleaf following calibration procedure NC731.
The calibrated weights provide traceability to International and National primary standard of mass via UKAS accredited laboratories.
The calibration results within this certificate of calibration relate only to the item calibrated.

Weighing Instrument & Environment

Description:	Electronic Digital Scale	Range Tested: 0-100kg	
Manufacturer:	Example	Readability(d): 0.01kg	
Model/Type:	W600/	Location: Lab	
Serial No:	10121	Temperature (°C) /before tests:	17 /after tests: 17
Customer Ref:		*Humidity (% RH) /before tests:	/after tests:
		*Pressure (mbar) /before tests:	/after tests:
Capacity:	100kg		

* Only applicable to instruments tested which have readability's equal to and less than 0.01mg

Mass values are reported on a weight-in-air basis where the mass is that of a hypothetical weight of density 8,000kg/m^3 , which in air of density 1.2kg/m^3 would balance the weights applied during the calibration at 20 ^{0}C.

When a statement of conformity has been defined, the uncertainty has been considered as per JCGM 106 : 2012, section 8.2 shared risk.

CERTIFICATE OF CALIBRATION

UKAS ACCREDITED CALIBRATION LABORATORY No. 0430

CERTIFICATE NUMBER

Weight Unit used: kilograms (except where specific unit is indicated)

(* Delete as appropriate)

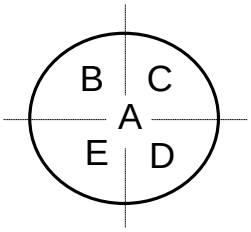
Calibration Type: * As found * ~~Post Adjustment~~ Spanning Weight Used : ~~*Internal *External~~ *No	**STANDARD DEVIATION OF REPEATABILITY:** (Using ~~* ten~~/* five repeated measurements) **WEIGHT USED: 100**

LINEARITY TEST

Nominal Applied Load	Corrected Indicated Reading	Nominal Applied Load	Corrected Indicated Reading
0	0		
10	10		
20	20		
30	30.02		
40	40.04		
50	50.16		
60	60.12		
70	70.08		
80	80.06		
90	90.02		
100	100		
0	0		

Maximum Error
0.16

Eccentricity Test **Weight used: n/a**



Centre (A):
Rear Left (B):
Rear right (C):
Front right (D): n/a
Front left (E):
Centre (A):

FRONT **Maximum deviation from centre reading:**

Uncertainty of Measurement ± : 0.016

(Determined at the maximum range tested and excludes eccentricity deviation)

Observations: Zero point showing 2.73kg with hook & sling attached. Unable to zero scale. Corrected indicated readings reflect this.

Calibrator: D Brash Calibration date:

END OF CERTIFICATE

The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor *k* = 2.28, which for a t-distribution with Veff = 10 effective degrees of freedom corresponds to a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements