

CERTIFICATE OF CALIBRATION

ISSUED: Fri 30/May/2025

CERTIFICATE NUMBER: R05N004328

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BLAKE & BOUGHTON Industrial Weighing Specialists

Units 8 & 10
Roman Way
Thetford
Norfolk
IP24 1XB

Tel: 01842 751555

Passed

Approved Signatory: Chris Hawkins

Signature:



2025-05-30 14:36:50

Customer

Ellgia Ltd (Prickwillow),
Padnal Sidings,
Ely Road,
Prickwillow,
Cambridgeshire,
CB7 4UJ

Contact Darrel McKinney

Calibration Site

Ellgia Ltd (Prickwillow),
Padnal Sidings,
Ely Road,
Prickwillow,
Cambridgeshire,
CB7 4UJ

Equipment

Make Dini Argeo
Model 3590ET
Serial No 05137439
Customer Ref
Location Site

Capacity

1 50 000kg
2
3
4

Division

20kg

Test Equipment Used

TR 12695
TP0057
MU30640

Comments

Failed Certification. Requires thorough clean before we are able to diagnose further or revisit.

Notes

The weighing equipment described above has been calibrated using weights traceable to National Standards and in accordance with the following procedures (where relevant). The results were recorded.

ENGINEER CHECKS

The engineer has made the following checks prior to calibration and recorded any deviation that may affect the results. i. Equipment available for duration of calibration ii. Operation and parameters iii. Environmental factors iv. Condition of the equipment under test

CERTIFICATES AND TOLERANCES

Blake and Boughton will record measurements taken over the equipment's range and provide a Calibration Certificate showing performance to a specified tolerance. In instances where the accuracy specification of equipment being tested/calibrated is unknown, the general acceptance criteria will be an accuracy level of +/- 0.1% of scale capacity or one division, if the weighing equipment has less than 1000 divisions.

LINEARITY

A series of weights were added to the centre of the load receptor. The reading at each load was recorded. In the case of equipment with a capacity in excess of 500 kg or with restricted platform sizes it may be necessary to use 'make-up' weights. This does not affect the validity of the test.

ECCENTRICITY TEST

A load of approximately 1/3 of the machine capacity was placed in the centre of the load receptor and the readings were recorded. The load was then placed at each pan support in turn and again at the centre, the readings were recorded. Lesser loads may be used to meet customers' requirements. For moisture analysers and small circular top pan balances, a load of 1/3 or greater of the capacity of the machine was placed on three points of the top pan and the readings were recorded. Lesser loads may be used to meet customers' requirements.

REPEATABILITY

The repeatability load was applied to the centre of the load receptor and the reading recorded. The repeatability load was removed and the reading recorded.

ACCURACY

The certificate issued under this service is based on readings taken at a particular point of time and a particular location, it does not guarantee the accuracy of the equipment at any future time. The interpretation of the results declared is the responsibility of the customer having regard to the nature of the machine's use.

This certificate provides traceability of measurement to the SI system of units and/or units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of Blake & Boughton Ltd.

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Make Dini Argeo
Model 3590ET
Serial No 05137439
Range Calibrated 43 820kg x 20kg
Tolerance ±0.1%
Type of Calibration As Found

Date of Calibration Fri 30/May/2025
Next Calibration Due May 2026
Calibrator Chris Hawkins
Approved Signatory Chris Hawkins
Customer Ref
Location Site

As Found Eccentricity Test				Nominal Load: 8 000kg
Ref	Indicated Reading (kg)	Ref	Indicated Reading (kg)	
1	8 000	5	8 000	
2	8 000	6	8 000	
3	8 000	7	8 000	
4	8 000	8	8 000	

As Found Linearity Test	
Nominal Load (kg)	Indicated Reading (kg)
0	0
6 000	6 000
12 000	12 000
20 000	20 000
29 800	29 800
43 820	43 780

As Left Eccentricity Test				Nominal Load: 8 000kg
Ref	Indicated Reading (kg)	Ref	Indicated Reading (kg)	
1	8 000	5	8 000	
2	8 000	6	8 000	
3	8 000	7	8 000	
4	8 000	8	8 000	

As Left Linearity Test	
Nominal Load (kg)	Indicated Reading (kg)
0	0
6 000	6 000
12 000	12 000
20 000	20 000
29 800	29 800
43 820	43 780

END OF CERTIFICATE