

CERTIFICATE OF CALIBRATION

DATE OF ISSUE: 10/Nov/2023

CERTIFICATE NUMBER: C32N000833

ISSUED BY NORTHERN BALANCE LTD



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Approved Signatory: J. Sherwood-Smith

Signature:

Northern Balance Ltd

3 Bamburgh Court

First Avenue

Team Valley Trading Estate

Gateshead

NE11 0TX

Tel: 0191 488 2881

Fax: 0191 488 2998

Email: enquiries@northernbalance.co.uk

Customer

Karting North East Limited

Warden Law Motor Centre

Hangmans Lane

Sunderland

SR3 2PR

Contact: Paul Bainbridge

Site

Karting North East Limited

Warden Law Motor Centre

Hangmans Lane

Sunderland

SR3 2PR

Balance Make

Excell

Model

QW

Serial Number

LBZ190588

Range 1	Resolution	Range 2	Resolution	Range 3	Resolution	Range 4	Resolution
300kg	0.2kg						

Location: Media Centre / Scrutineering

Customer Ref: N/A

Comments: Calibration is following a repair. Load cells and cable to indicator replaced.

Weight Sets Used: N13161

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.

LINEARITY

A series of test loads using standard weight, distributed evenly over the normal weighing range were added to the centre of the load receptor. The reading at each load was recorded.

ECCENTRICITY

A load was placed in the centre of the load receptor and the reading recorded. The load was then placed at each pan support in turn and again in the centre, the readings were recorded.

REPEATABILITY

The load was applied to the centre of the load receptor and the reading recorded. The load was removed and the reading recorded. This was carried out a minimum of three times.

Results are reported in terms of conventional mass which is the value of the result of weighing in air in accordance with International Document OIML D28.

For a weight taken at 20°C, the conventional mass is the mass of a reference weight of density of 8000kg/m³ which it balances in air of a density 1.2kg/m³.

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 Northern Balance Ltd.

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Balance Make: **Excell**

Model: **QW**

Serial No: **LBZ190588**

Location: **Media Centre / Scrutineering**

Range Calibrated: **300kg x 0.2kg**

Type of Calibration: **Definitive**

Date of Calibration: **9/Nov/2023**

Test Engineer: **James Twidale**

Environmental Measurements:

Temp: **N/A**

Rel Humidity: **N/A**

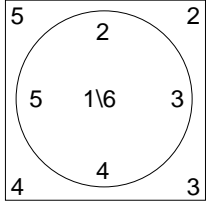
Air Pressure: **N/A**

Air Density: **N/A**

As Found

Eccentricity Test

Load Applied: 100.0kg

Ref	Indicated Reading (kg)	
1	99.8	
2	99.8	
3	99.6	
4	99.6	
5	99.8	
6	99.8	

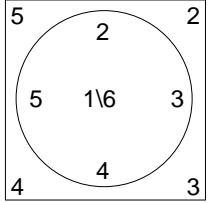
Linearity Test

Applied Load (kg)	Indicated Reading (kg)	Difference (kg)
10.0	10.0	0.0
150.0	148.8	-1.2
300.0	297.8	-2.2

Definitive

Eccentricity Test

Load Applied: 100.0kg

Ref	Indicated Reading (kg)	
1	100.0	
2	100.0	
3	100.0	
4	100.0	
5	100.0	
6	100.0	

Linearity Test

Applied Load (kg)	Indicated Reading (kg)	Difference (kg)
0.0	0.0	0.0
10.0	10.0	0.0
20.0	20.0	0.0
50.0	50.0	0.0
100.0	100.0	0.0
150.0	150.0	0.0
200.0	200.0	0.0
300.0	300.0	0.0

Repeatability Test

Zero Offset Load: 0kg

Nominal Load: 150kg

Unloaded Reading (kg)	Loaded Reading (kg)
0.0	150.0
0.0	149.8
0.0	150.0