E007

جـاكوب كـاليبريشن لاب لخدمـات فحص المبـاني - ذ.م.م - ش.ش.و

JACOB CALIBRATION LAB AND BUILDING INSPECTION SERVICES - L.L.C - S.P.C

Certificate of Calibration

Date of Issue : 6-Jun-26 **Certificate Number :** JCL-2026-020-031

Customer Details :

Company Name	**Independent Soil Testing Laboratories LLC**
Address	P.O. Box 145843, MW5, Behind EMSTEEL, Musaffah, Abu Dhabi, UAE

Unit Under Test (UUT) Details :

Description	**Weighing Balance**	
Manufacturer	Ohaus	
Model	Ranger 3000	
Serial No.	8334410227	
Asset No.	**IL-EB/03**	
Range / Capacity	30	(kg)
Readability	0.001	(kg)
Item Condition on Receipt	Satisfactory	

UUT Calibration Information :

Calibration Location	**Customer Premises**	
Ambient Temperature	25.8	±2 °C
Relative Humidity	52.0	±5 %RH
Atmospheric Pressure	1009	±1 mbar

Calibrated By	NNP
Date Received	6-Jun-26
Calibration Date	6-Jun-26
Recommended Due	**5-Jun-27**

(As agreed with the Customer)

Master Equipment Details:

Description	Nominal Value	Class	Asset ID	Certificate No.	Calibration Due	Traceability
Precision Weights	1 kg (2 nos.)	F1	PCL-MAS-009 & 010	TC/24-25/1939 08 & 09	20 Aug 2026	NABL thru Tru Cal Lab, India
Precision Weights	500 g (2 nos.)	F1	PCL-MAS-011 & 012	TC/24-25/1939 06 & 07	20 Aug 2026	NABL thru Tru Cal Lab, India
Precision Weight	5kg	F1	PCL-MAS-007	TC/24-25/1939 03	20 Aug 2026	NABL thru Tru Cal Lab, India
Precision Weight	10 kg	F1	PCL-MAS-005	TSC/24-25/18444-2	20 Aug 2026	NABL thru Trans Cal Lab, India
Precision Weight	20 kg	F1	PCL-MAS-003	TSC/24-25/18444-1	20 Aug 2026	NABL thru Trans Cal Lab, India

Calibration Method :

The above equipment has been calibrated in accordance with Lab Calibration Method **W/CM/M/01** Rev.0 (Based on EURAMET CG -18 Standard). Deviation of Indication were measured against reference standard weights of compatible class as mentioned above.

Remarks :

1. This calibration certificate documents the traceability to national standands, which realizes the unit of measurements according to the International System of Units (SI).
2. The user should determine the suitability of this instrument for its intended use.
3. The results reported in this certificate are valid at the time of & under the stated conditions of measurement for the particular item & ranges identified above.
4. JCL is not liable for any damage caused by resulting from improper or negligent use.
5. This report shall not be reproduced, except in full, without the written approval of Jacob Calibration Laboratory.

For **Jacob Calibration Laboratory**

Checked By:

Jennifer Azares
Deputy Quality Manager

Approved By:

Norberto Pabalate
Technical Manager

Date of Issue: 6-Jun-26 **Certificate No.:** JCL-2026-020-031

Calibration Results

Temperature of the standard masses on arrival, °C : 27.0
Temperature of the standard masses at the start of calibration, °C : 25.8
Acclimitization Time: 30 minutes

1. Deviation of the Balance

Standard Mass Actual Value (kg)	Balance Indication (kg)	Deviation (kg)	Expanded Uncertainty (±U) (kg)
0.0000	0.000	0.0000	0.0010
3.0000	3.000	0.0000	0.0010
7.5000	7.500	0.0000	0.0010
15.0000	15.000	0.0000	0.0010
22.5000	22.500	0.0000	0.0010
29.9999	30.000	0.0001	0.0010

2. Repeatability Test, R

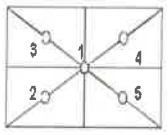
Unit : (kg)

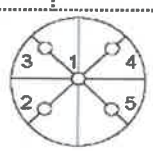
Test load	R_1	R_2	R_3	R_4	R_5	Standard Deviation
20	20.000	20.000	20.000	20.000	20.000	0.0000

3. Eccentricity Test

Unit : (kg)

Test load	Center (Loc. 1)	Front Left (Loc. 2)	Back Left (Loc. 3)	Back Right (Loc. 4)	Front Right (Loc. 5)	Maximum Difference From Center
10	10.000	10.000	10.000	10.000	10.000	0.000





Note/s:

1. All results are "As Found" readings. No adjustment was made prior to calibration.
2. Weight position for the Balance Deviation & Repeatability Tests : Location 1 or balance pan's center.

Uncertainty Statement:

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor ***k=2.0*** providing a level of confidence of approximately 95%. Uncertainty calculation is based on ISO GUM.

---- End of Calibration Certificate ----

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