

Calibration Certificate

Al Takamul Yard North Rumailah, Iraq

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Date of Issue

April 27, 2024

REQUEST NUMBER : By Mail
JOB NUMBER : QC/JN/24/00193
CERTIFICATE NUMBER : QC240427-02

APPROVED BY L. Al-Mutairi QC



CUSTOMER DETAILS

Name : DQ (MUD UNIT)
Address : Rumaila Base south Iraq

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Electronic Balance**
Manufacturer : Highland
Model : HCB60211
Serial Number : **AE76406132**
Range : 0.01 g to 600 g
Calibrated Range : 0.01 g to 600 g
Resolution : 0.01 g
As found : In Tolerance
Calibration Date : April 27, 2024
Calibration Due : **April 26, 2025**



ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 22 °C ± 2 °C
Relative Humidity : 40 %RH ± 5 %RH

CALIBRATION METHOD

The above equipment has been calibrated in accordance with international standard Calibration Procedure Euramet cg-18.

The unit under calibration (UUC) was calibrated by direct measurement technique .

TRACEABILITY

The measurements made by Issued by: Quality Control Calibration & Testing Lab., realize the physical units of measurements (SI), through its state of the art calibration standards that are controlled and maintained by QC.

REFERENCE EQUIPMENT USED :

DESCRIPTION	SERIAL #	CALIBRATION DATE	CALIBRATION DUE DATE
Set of Standard Masses (F1)	B4134522809	25 Aug. 2023	24 Aug. 2024

CALIBRATION TEST RESULTS

Calibration Step	Applied Mass	Average Measured Value	Linearity Error	Measurement Uncertainty
	g	g	g	± g
1	50.00	50.00	0.00	0.0105
2	100.00	100.01	0.01	0.0105
3	200.00	200.01	0.01	0.0105
4	400.00	400.02	0.02	0.0105
5	600.00	600.00	0.00	0.0108

Calibration results were found to conform as per specified accuracy requirements. Above Instrument has **PASSED** its Calibration.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with international practice.

REMARK (S) :

- ☒ The results are as found (no adjustment done).
☐ The results are post adjustment.



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