



Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

• Phone : +964 7810009138 • www.qualitycontrol-iraq.com • E-mail: op@qualitycontrol-iraq.com

Date of Issue: July 29, 2024

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REQUEST NUMBER : By mail JOB NUMBER : QC/JN/24/00301 CERTIFICATE NUMBER : QC240729-05	APPROVED BY:  
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CUSTOMER DETAILS

Name : Egyptian Maintenance Company(EMC) IRAQ
Address : Iraq, Basra, North Rumaila

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Vacuum Pump
Manufacturer : VALUE
Model : VE 160N
Serial Number : QJ202212
Type : Analog
Range : 0 to 150 microns
Calibrated Range : 0 to 150 microns
Resolution : NA microns
Accuracy Class : NA
Tolerance : ±1.0 % of Full Scale
As found : In Tolerance
Calibrated By : Asjad Rafiq
Calibration Date : July 29, 2024
Calibration Due : **28 July 2025**
Last Calibration : NA



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. Overload test was not performed.
3. No accessories were fitted.
4. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 25.0 ± 2°C **Humidity** : 44.0 ± 5 % RH **Atm. Pressure** : 1011.0 ± 10 hPa

CALIBRATION METHOD

The above equipment has been calibrated in accordance with Calibration Procedure QC/CP/R/02 Rev. 01
 The above instrument has been calibrated in increasing and decreasing vacuum mode using a Digital vacuum gauge as the reference standard having traceability to Internationally recognised standards.

REFERENCE EQUIPMENT USED

DESCRIPTION	SERIAL NO.	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Digital Vacuum Gauge	96623	NAVAK / NMV1	25 Nov, 2023	24 Nov, 2024

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error Percentage
microns	microns	microns	±
0	0.00	0.00	0.0
40	40.50	-0.50	-0.3
80	80.40	-0.40	-0.3
120	120.50	-0.50	-0.3
150	150.70	-0.70	-0.5

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

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