

CALIBRATION CERTIFICATE

Certificate No.:	QC240708-04	Date of Calibration:	08-07-2024
Customer Name:	Aberdeen Technical Services Iraq	Due Date of Calibration:	07-07-2025
Instrument under Calibration:	Micrometer Standard Rod	Readability	Mitutoyo
Calibrated Range	12" , 13" , 14" , 15" inches	QC Job No	QC/JN/24/00307
Manufacturer:	Mitutoyo		

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature	19.3 °C	Humidity	43.3 % RH
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Equipment used for calibration

DESCRIPTION	MODEL/SERIAL NO.	SOURCE OF TRACEABILITY
Granite Surface Plate- with Stand Grade : 1	Code : 517-911-1	Mitutoyo, Japan
Micrometer Inspection Gauge Block Set	Code NO.516-106-10/1404358	NPL England
Micrometer	Code : 103-137/ 46047292	NPL England

Calibration Method:	Based on standard ASME B89 & API 5A5, The reported uncertainty is the expanded uncertainty with k=2 according to the ISO/IEC "Guide to the expansion of uncertainty in measurement" providing a level of confidence of approximately 95%.
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ZERO READING

Before Adjustment (inches)	After Adjustment (inches)	Maximum Permissible Error(inches)
0.00	0.000	± 0.00001

CALIBRATION RESULTS

Reference Standard value (inches)	Serial No.	Model No.	DEVICE READING				MEASUREMENT OF UNCERTAINTY
			Test 1	Test 2	Test 3	Average	
12.000000	3003713	167-151	12.0000	12.0001	12.0001	12.0001	±0.0001 inches
13.000000	3032491	167-153	13.0001	13.0001	13.0000	13.0001	
14.000000	3002317	167-154	14.0001	14.0001	14.0000	14.0001	
15.000000	3037782	167-155	15.0001	15.0001	15.0000	15.0001	

The Instrument Specification

- This calibration was carried out in compliance with the *ISO/IEC 17025*.
- The standard/standards used in this calibration is/are traced to the SI unit of pressure through traceability to primary standards maintained in the National Institute of Standards (NIS)
- This calibration certificate refers only to the particular item submitted for calibration
- This certificate shall not be reproduced, unless written permission has been obtained from the lab
- The lab is responsible for above results in the time of calibration only.
- This certificate is valid only with signature and stamp.

