

CALIBRATION CERTIFICATE

Certificate No.:	QC240708-02	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	Manufacturer:	Mitutoyo
Calibrated Range	1", 2", 3", 4", 5", 6", 7", 8", 9", 10", 11" inches	QC Job No	QC/JN/24/00307
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%.		

ZERO READING		
Before Adjustment (inches)	After Adjustment (inches)	Maximum Permissible Error(inches)

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

0.00	0.000	± 0.00001
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CALIBRATION RESULTS

Reference Standard value (inches)	Serial No.	Model No.	DEVICE READING				MEASUREMENT OF UNCERTAINTY
			Test 1	Test 2	Test 3	Average	
1.000000	4163083	167-141`	1.0000	1.0001	1.0001	1.0001	±0.0001 inches
2.000000	4157249	167-142	2.0001	2.0001	2.0000	2.0001	
3.000000	4117874	167-143	3.0001	3.0001	3.0000	3.0001	
4.000000	4094153	167-144	4.0001	4.0001	4.0000	4.0001	
5.000000	4095464	167-155	5.0000	5.0001	5.0001	5.0001	
6.000000	4093617	167-146	6.0000	6.0001	6.0001	6.0001	
7.000000	4093930	167-147	7.0001	7.0001	7.0000	7.0001	
8.000000	4215470	167-148	8.0001	8.0001	8.00000	8.0001	
9.000000	4233331	167-149	9.0001	9.0001	9.0000	9.0001	
10.000000	4212769	167-150	10.0000	10.0001	10.0001	10.0001	
11.000000	4230177	167-151	11.0001	11.0001	11.0000	11.0001	

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 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.

