

CALIBRATION CERTIFICATE

Certificate No.:	QC240708-01	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",2", 3",3",4",4",4",5",5",5",6",6" 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

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature	22.3 °C	Humidity	40.3 % 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

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	
1.000000	5046660	167-141	1.0000	1.0001	1.0001	1.0001	±0.0001 inches
2.000000	0075263	167-142	2.0001	2.0001	2.0000	2.0001	
2.000000	19663-R	167-142	2.0001	2.0001	2.0000	2.0001	
3.000000	0119041	167-143	3.0001	3.0001	3.0000	3.0001	
3.000000	19664-R	167-143	3.0000	3.0001	3.0001	3.0001	
4.000000	19665-R	167-144	4.0001	4.0001	4.0000	4.0001	
4.000000	5031813	167-144	4.0000	4.0001	4.0001	4.0001	
4.000000	5037397	167-144	4.0001	4.0001	4.0000	4.0001	
5.000000	19666-R	167-145	5.0001	5.0001	5.0000	5.0001	
5.000000	5022925	167-145	5.0001	5.0001	5.0000	5.0001	
5.000000	5022805	167-145	5.0000	5.0001	5.0001	5.0001	
6.000000	5019303	167-146	6.0001	6.0001	6.0000	6.0001	
6.000000	5026070	167-146	6.0001	6.0001	6.0000	6.0001	

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 comparability 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.

