

Certificate No.:		QC240520-24			Date of Calibration:	20-05-2024	
Customer Name:		Aberdeen Technical Services Basra Iraq			Due Date of Calibration:	19-09-2024	
Instrument under Calibration:		Digital Vernier Gauge			Maximum Range	0 to 12"	
Calibrated Range		0 to 12"			Readability	0.0001 "	
Model No	500-173	Serial No.:	1122922	Identify/No	ATS.I.DVG 004B	Manufacturer:	Mitutoyo
						QC Job Number:	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%.						

**ENVIRONMENTAL CONDITIONS DURING TEST**

Ambient Temperature	21.2 °C	Humidity	26.4 % 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
Gauge Block Set- Grade 0	0651515012/87316	PTB Germany
Caliper Checker up to 1500 mm	Code : 515-556-2/14002536	NPL England

**ZERO READING**



Before Adjustment (inch)	After Adjustment (inch)	Maximum Permissible Error (inch )
0.00	0.000	± 0.01

**CALIBRATION RESULTS**

Reference Standard value (inch)	DEVICE READING				MEASUREMENT OF UNCERTAINTY
	Test 1	Test 2	Test 3	Average	
0.0000	0.0000	0.0000	0.0000	0.0000	±0.01 inch
2.000	2.0001	2.0000	2.0000	2.0000	
4.000	4.0000	4.0001	4.0001	4.0001	
8.000	8.0001	8.0001	8.0001	8.0001	
10.000	10.0000	10.0000	10.0000	10.0000	
12.000	12.0000	12.0000	12.0000	12.0000	

The Instrument Specification

- This calibration was carried out in compliance with the ISO/IEC 17025.2017
- 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.
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- The lab is responsible for above results in the time of calibration only.
- This certificate is valid only with signature and stamp.

Calibrated By:	Hussein Alaa	Reviewed By:	Asjad Rafiq	
Signature:		Signature:	