

CALIBRATION CERTIFICATE

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|--------------------------------------|--|---------------------------------|----------------|
| Certificate No.: | QC240520-66 | Date of Calibration: | 20-05-2024 |
| Customer Name: | Aberdeen Technical Services Basra Iraq | Due Date of Calibration: | 19-09-2024 |
| Instrument under Calibration: | External Micrometer Gauge | Readability | 0.001” |
| Calibrated Range | 10” to 11” inches | QC Job No | QC/JN/24/00307 |
| Model No | 103-905-10 | Serial No.: | ATS.I.EMG 027B |
| | | Manufacturer: | MITUTOYO |
| Calibration Method: | Based on Dubai Central Laboratory DMS 2001:2010, 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 | 25 °C | Humidity | 43.3 % RH |
|---------------------|-------|----------|-----------|

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) | DEVICE READING | | | | MEASUREMENT OF UNCERTAINTY |
|-----------------------------------|----------------|---------|---------|---------|----------------------------|
| | Test 1 | Test 2 | Test 3 | Average | |
| 10.000000 | 10.0000 | 10.0000 | 10.0001 | 10.0001 | ±0.001 inches |
| 11.000000 | 11.0000 | 11.0000 | 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 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.

| | |
|-----------------------|---|
| Calibrated By: | |
| Signature: |  |

