

Al Takamul Company For Engineering Services Quality Control - Iraq

APPRO

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Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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Date of Issue:

May 5, 2024

REQUEST NUMBER By Mail JOB NUMBER QC/JN/24/00201

CERTIFICATE NUMBER QC240505-04

CUSTOMER DETAILS

: slb Basra Name

: North Rumaila Base south Iraq Address

Department : Completion

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

: Digital Vernier Caliper Description

: Mitutoyo Manufacturer : CD-12" CSX Model : 07414293 Serial Number Type : Digital

: 0 12 inch Full Range to Calibrated Range 12 inch : 0 to

Readability : 0.001 inch As Found Condition : In Tolerance : Asjad Rafiq Calibrated By Calibration Date : May 5, 2024 : 04 May 2025 **Calibration Due**

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature $25.0 \pm 2^{\circ}C$ Humidity: $40.0 \pm 5 \% RH$

CALIBRATION METHOD

Above mentioned measuring tape is calibrated in accordance to calibration procedure ASME B89.1.14. The deviations of the measurements obtained from UUC with respect to reference standards are determined to obtain the error.

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%.

REFERENCE EQUIPMENT USED:

| ſ | DESCRIPTION | SERIAL NO. | MAKE / MODEL | CALIBRATION DATE | DUE DATE |
|---|-----------------|------------|-----------------------|-------------------|-------------------|
| ľ | Gauge Block Set | 87300 | Mitutoyo / 99MAK004B2 | November 15, 2023 | November 14, 2024 |

CALIBRATION TEST RESULTS

| Ref. Standard Values (A) | Measured Values on Unit Under Calibration (M) | Deviation (D=M-A) | Expanded Uncertainty (U) |
|--------------------------|---|----------------------|--------------------------|
| inch | inch | inch | ±inch |
| 0.000 | 0.000 | 0.000 | 0.0 |
| 2.000 | 2.000 | 0.000 | 0.01 |
| 6.000 | 6.000 | 0.000 | 0.01 |
| 8.000 | 8.001 | 0.001 | 0.01 |
| 10.000 | 10.000 | 0.000 | 0.01 |
| 12.000 | 12.001 | 0.001 | 0.01 |

Calibration results were found to conform as per specified accuracy requirements. Above Instrument has PASSED its Calibration.

The results are as found (no adjustment done).

The results are post adjustment.

















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