



Certificate of Calibration

17922 Sky Park Circle Suite "P"
Irvine, Ca 92614
Phone:(949) 724-9474 Fax: (949) 724-9472

Customer:
AAATest Company
Two Test Drive
Test City, CA 99923
Contact: Brian Carpenter
Phone#: 949-724-9080

Service Record #: SR-AA133672
Technician: Brian Carpenter
Job No: J-AA10824
Customer PO #: 12345656
Calibration Date: 12/02/2014
Next Cal Due: 12/02/2015

| | | | | |
|---|---|-------------------------------------|-----------------------------|----------------------------------|
| Device Under Test | Manufacturer: Mitutoyo | Model: H-278 | Serial #: B022563 | |
| | Description: Digital Micrometer, 0-1" | | ID #: 112365 | |
| Device Conditions | As Received: Out of Tolerance | As Returned: In Tolerance | Adjusted?: Yes | Limited Use?: No |
| Environmental Conditions | Field Calibration?: Yes | | Temperature: 20°C | Relative Humidity: 43% |
| Comments: None. | | | | |
| Facility: None Area: None Position: None | | | | |
| Tolerance: +/- 0.001" | | | | |

Sample Data Points

| Description | Nominal | As Found | As Left | Lower Limit | Upper Limit | Accept. Limit** (±) | Uncertainty |
|-------------|-----------|-------------|-----------|-------------|-------------|---------------------|-------------|
| | 0.1000 in | 0.1020 in * | 0.1000 in | 0.0990 in | 0.1010 in | Same as tolerance | 0.000074 in |
| | 0.5000 in | 0.5020 in * | 0.5000 in | 0.4990 in | 0.5010 in | Same as tolerance | 0.000074 in |
| | 1.0000 in | 1.0020 in * | 1.0000 in | 0.9990 in | 1.0010 in | Same as tolerance | 0.000074 in |

* Denotes out of tolerance measurement data.

** The acceptance limit denotes the guard band imposed on the lower and upper limits to ensure a probability of false accept (PFA) of 2% or less; if a PFA of 2% or less is not practical, a test uncertainty ratio (TUR) of 4:1 or greater is ensured.

Standards Used

| Manufacturer | Model | Description | Next Cal Due | Traceable # |
|--------------|------------|---|--------------|-------------|
| Fowler | 53-684-038 | Ceramic Gage Block Set, Grade 0, 36 Piece | 08/21/2015 | T-0377 |

Procedure Used: G-0002 Physical Dimensional



Test/Calibration data, if applicable, is available upon request (fee required)

Standards used in this calibration, described in the referenced calibration procedure with associated uncertainties or tolerances, are traceable to the National Institute of Standards and Technology (N.I.S.T.).

This calibration complies with the requirement of ANSI/NCSL Z540.3-2006 and ISO/IEC 17025:2005.

The uncertainty is estimated using a coverage factor (k) of 2, providing a confidence level of approximately 95%.

No allowances have been made for the instability of the test device due to use, time, etc.: such allowances would be made by the customer as needed.

There are no special limitations of use imposed on the calibrated item, unless specified.

This report applies only to the item described and shall not be reproduced except in full, without the written approval of usCalibration.

Brian Carpenter

12/2/14

Technician Signature

Date

