



Max Machinery, Inc.  
an ISO 9001:2008 certified company

## CERTIFICATE OF CALIBRATION

Certificate #: 90059

Keep for your records.

**Customer:** Sample Customer  
123 Any Street  
Any Town, CA 12345  
United States

**Laboratory Location:** Max Machinery, Inc  
33A Healdsburg Ave  
Healdsburg, CA 95448  
707-433-2662

**Type of Device:** Flow Meter  
**Manufacturer:** Max Machinery, Inc.  
**Model Number:** P002HS25NA/P11N/1  
**Serial Number:** D12345

**Calibration Fluid:** Kerosene  
**Fluid Viscosity:** 3 cps  
**Fluid Specific Gravity:** 0.82 g/mL  
**Fluid Temp:** 21°C +/- 1°C

**Date of Calibration:** 7/1/2015  
**Sales Order:** SAMPLE  
**Procedure Used:** LA-P-110  
**Performed By:** JDO

**Output Units:** Pulses/mL  
**Flow Units:** mL/min  
**K-Factor:** 1000.0

**Calibration Notes:** This document reflects the new linear calibration.  
The new condition was found to be in tolerance.

### Calibration Data

| Flow Rate<br>mL/min | ----- Output ----- |              | Error<br>% reading | Flow Rate<br>mL/min | ----- Output ----- |              | Error<br>% reading |
|---------------------|--------------------|--------------|--------------------|---------------------|--------------------|--------------|--------------------|
|                     | Pulses/mL          | Frequency Hz |                    |                     | Pulses/mL          | Frequency Hz |                    |
| 2000.00             | 1000.6             | 33353.330    | 0.06%              |                     |                    |              |                    |
| 1800.00             | 1000.6             | 30018.000    | 0.06%              |                     |                    |              |                    |
| 1500.00             | 1000.6             | 25015.000    | 0.06%              |                     |                    |              |                    |
| 1000.00             | 1000.4             | 16673.330    | 0.04%              |                     |                    |              |                    |
| 300.00              | 999.9              | 4999.500     | -0.01%             |                     |                    |              |                    |
| 100.00              | 999.9              | 1666.500     | -0.01%             |                     |                    |              |                    |
| 30.00               | 999.9              | 499.950      | -0.01%             |                     |                    |              |                    |
| 10.00               | 999.7              | 166.617      | -0.03%             |                     |                    |              |                    |
| 3.00                | 999.7              | 49.985       | -0.03%             |                     |                    |              |                    |
| 1.00                | 1001.7             | 16.695       | 0.17%              |                     |                    |              |                    |

### Equipment Used in the Calibration:

| Calibration ID: | Description:             | Serial Number: | Cal Due Date: | Certificate Number: |
|-----------------|--------------------------|----------------|---------------|---------------------|
| 41701           | Built in reference meter | D22136         | 3/6/2016      | 41701030615         |
| 41702           | Built in reference meter | C740723        | 3/6/2016      | 41702022715         |
| 41703           | Temperature controller   | 2430MR         | 11/12/2015    | 41703111214         |
| 41704           | Counter/timer            | 166FC42        | 11/26/2015    | 41704112614         |
| 41706           | Multifunction DAQ        | 16769FA        | 11/16/2015    | 41706112614         |

### QC Approval:

*Jane Doe*  
\_\_\_\_\_  
Jane Doe  
Quality Manager

7/1/2015

### Calibration Technician

*John Doe*  
\_\_\_\_\_  
John Doe  
Lab Technician

7/1/2015

This calibration was conducted using standards traceable to NIST.  
Measurement uncertainty of the #417 test stand is +/- 0.176% of reading with a 95% confidence (k=2 coverage factor).  
Calculations are available upon request.

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