



GUTH LABORATORIES, INC.

590 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-564-5470

12V500 QUALITY CONTROL FORM

INSTRUMENT INFORMATION

Serial Number: MP9000

Simulator Voltage: 12 VDC

Temperature Tolerance: 34.00 ± .05 °C

CALIBRATION INFORMATION

Date Calibrated: 02/21/2022

Mean Temp.: 34.001 °C

Minimum Temp.: 34.000 °C

Maximum Temp.: 34.003 °C

Simulator temperature results were found to be within the specified tolerance.

Calibration Procedure performed was, Guth Laboratories, Inc. - Procedure 03.

Temperature readings were obtained by direct measurement of simulator solution using the following system. Fluke/Hart Scientific model 1524 thermometer readout, serial number 1554092, and GE Sensing model AS125 thermistor standard, serial number 3360. This system was calibrated on August 23, 2021 by Hart Scientific, report number C1820009. This test equipment is on a one year calibration interval and is traceable to NIST through an unbroken chain of comparisons.

Our best measurement capabilities are +/- .011 from 20 to 40°C with a measurement uncertainty(k=2) of 1.8 mK.

Laboratory Environmental Conditions: Temperature: 22 °C ± 2 °C Relative Humidity: Between 40% and 60%

The following items have been carefully checked prior to packaging:

- | | |
|----------------------------------------------------------------------------|-------------------------------------------------------------|
| <input type="checkbox"/> Inlet Tube, Heater, and Probe Positioned Properly | <input type="checkbox"/> Heater Control Circuit (Solution) |
| <input type="checkbox"/> Dispersion Tube Attached, Positioned Properly | <input type="checkbox"/> Heater Control Circuit (Headspace) |
| <input type="checkbox"/> Baffle Plate Attached | <input type="checkbox"/> Agitator and Motor |
| <input type="checkbox"/> Jar: A) Roundness B) Threads C) Flatness | <input type="checkbox"/> Communication Checked |
| <input type="checkbox"/> Male SureLoc | <input type="checkbox"/> Pressure and Vacuum Tested |
| <input type="checkbox"/> Female SureLoc | <input type="checkbox"/> LCD Display and Filter |
| <input type="checkbox"/> Face Plate and Rear Serial Plate Attached | <input type="checkbox"/> Calibration |
| <input type="checkbox"/> AC/DC Power Supply | |
| <input type="checkbox"/> AC Power Cord | |
| <input type="checkbox"/> Appearance and Finish | |

REMARKS: _____

Calibrated By: _____ Date: _____

Inspected By: _____ Date: _____