REPORT OF TEMPERATURE TEST FOR WET SIMULATOR

This is to certify that the instrument described below has been examined and tested by Guth Laboratories, Inc. using standards traceable to the National Institute of Standards and Technology.

CUSTOMER INFORMATION:

Alaska Department of Public Safety

Scientific Crime Detention Laboratory

4805 Dr. Martin Luther King Jr. Avenue

Anchorage, AK 99507

INSTRUMENT INFORMATION

Date Received for Calibration: 05/29/2018   Date Tested: 06/01/2018

WET SIMULATOR   Model Number: 10-4D   Serial Number: SD1200

Manufacturer: Guth Laboratories, Inc.   Manufacturer Specification: 34.00 ± 0.05 °C

RESULTS OF PHYSICAL EXAMINATION:

This instrument was received in operable condition.

CALIBRATION PROCEDURE USED: Guth Laboratories, Inc. Procedure 01-B.

RESULTS OF CALIBRATION:

'AS FOUND'   Date Tested: 05/31/2018

Mean Temperature:	34.025 °C	Minimum Temperature:	34.023 °C	In Tolerance:	Yes
Maximum Temperature:	34.027 °C	Standard Deviation:	0.001 °C		

'AS LEFT'   Date Tested: 06/01/2018

Mean Temperature:	34.023 °C	Minimum Temperature:	34.020 °C	In Tolerance:	Yes
Maximum Temperature:	34.026 °C	Standard Deviation:	0.001 °C		

Adjustments were made to this instrument prior to obtaining 'AS LEFT' data results.

CALIBRATION EQUIPMENT USED:

Temperature readings were obtained by direct measurement of simulator solution using the following system. Fluke/Hart Scientific model 1504 thermometer readout, serial number A7A606 , and GE Sensing model AS125 thermistor standard, serial number 3095. This system was calibrated on February 2, 2018   by Hart Scientific, report number B8131082 . 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 +/- .007 from 20 to 40°C with a measurement uncertainty(k=2) of 1.5 mK.

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

Certified By: _Carlos Torres_

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