GUTH LABORATORIES, INC.
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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: 03/23/2017 Date Tested: 03/28/2017

WET SIMULATOR Model Number: 2100 Serial Number: DR4176

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: 03/27/2017

Mean Temperature:	34.017 °C	Minimum Temperature:	33.997 °C	In Tolerance: Yes
Maximum Temperature:	34.043 °C	Standard Deviation:	0.011 °C	

'AS LEFT' Date Tested: 03/28/2017

Mean Temperature:	34.006 °C	Minimum Temperature:	33.990 °C	In Tolerance: Yes
Maximum Temperature:	34.038 °C	Standard Deviation:	0.010 °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 January 13, 2017 by Hart Scientific, report number B7112058 . 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 +/- .006 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: Carlton Torres

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