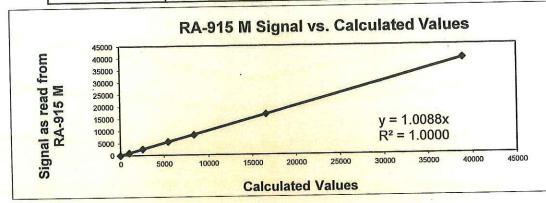
## RA-915 M #1705

Standard #	Temp °C	Calculated Value	Signal (10m cell)
1	22.5	0	0
,	22.5	999	1002
3	22.5	2557	2539
4	22.5	5486	5553
5	22.5	8415	8333
6	22.5	16610	16798
7	22.5	38976	39334



Calibration Gas certified value: 4.7µg/m3 Calibration Parameter A: 52000

Reading observed: 4.7µg/m3 Calibration Parameter B: 29600

CALIBRATION DATE: 05/03/2018 NEXT CALIBRATION DUE: 05/04/2019

## ON THE DATE CALIBRATED, THIS UNIT OPERATED WITHIN SPECIFIED TOLERANCES

**Digital Barometer:** 

Cert. #1081-8782151, Cal. Due.: 09/01/2019

**Digital Thermometer:** 

Cert. #1081-8782151, Cal. Due.: 09/01/2019

Gas NIST Traceable Standard

Themo Hg Calibrator Serial #0712322224

Concentration: 4.7µg/m3 Analytical Accuracy, +/- 10%. Recertification Date: 06/29/2018

Service Technician: QA/QC Manager:

**Technical Director:** 

RECOMMENDATION NOTE: INSTRUMENT SHOULD BE RECALIBRATED EVERY 12 MONTHS OR SOONER, IF EXPOSED TO EXTREME CONDITIONS OR DAMAGE IS

SUSPECTED

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mail@ohiolumex.com

1.888.876.2611

Air Quality Instruments 27 Forge Parkway Franklin, MA 02038 USA (866) 282-0430 (508) 520-0430 www.thermoscientific.com/AQI

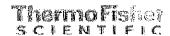
Certification Date:

2.7

4.7

4.23

4.7



1.03%

## Thermo Scientific Model 81i Calibrator Certification Report

6/29/2016

4.73

	Candidate					Reference	
Location:	Franklin, MA				ID:	NISTA	
Device:	81i-Ohio Lmuex 1021143493				S/N:	0712322224	
S/N:						1	
Chiller S/N 5	48	Chiller Temp	6 DEG C		RA 57492		
		•					
As Found Da	ata:	As Left Data:					
Candidate User Information		Candidate User Generator Certification					Reference Generator
		Certification Values		Certifications Uncertainties			Uncertainties
Setpoint	Value	Setpoint	Centitied	10	# 112 <b>0</b> 44	/ Relative	Expanded
µg/som	μg/scm	ug/scm\	upsemi	je/semi	ug/scm	26 %	N FR B 25 14 1 11 16
1.2	1.05	1,2	1.18	0,0140	0,0280	2,38%	1.13%
2.7	2.41	2.7	2.72	0/0179	0.0358	1.82%	0.98%

At each concentration level, the results of the bracketing certification procedure are acceptable if the expanded uncertainty of the elemental mercury generator concentration, calculated in accordance with Section 6.3 in the Interim EPA Traceability Protocol for Qualification and Certification of Elemental Mercury Gas Generators, does not exceed 5.0 percent of the certified value, or is not more than 2.0 percent above the Vendor Prime uncertainty at the closest set point, whichever is less restrictive. (Source Interim EPA Traceability Protocol for Qualification and Certification of Elemental Mercury Gas Generators: Section 6.4)

0.0299

0.0598

Protocol applies only to Hg monitoring system span values greater than or equal to 5.0 micrograms per cubic meter (Source Interim EPA Traceability Protocol for Qualification and Certification of Elemental Mercury Gas Generators: Section 1.0)

This document certifies that the above instrument has been calibrated and tested in accordance with Thermo Fisher Scientific procedure conducted under the conditions noted with standards, which are certified traceable to the National Institute of Standards and Technology (NIST). This Calibration Certificate may not be reproduced expect in full, without written permissions from Thermo Fisher Scientific. The results of this report relate only to the instrument tested and calibrated as identified on this certificate.

Calibration



1.26%