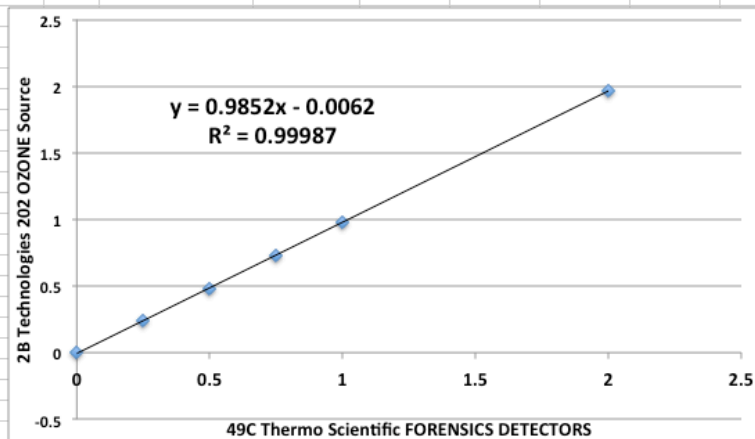


OZONE CALIBRATION TO NIST TRACEABILITY

Calibration Date:	03/05/2021
Performed By:	Dr. Koz, Chief Engineer at Forensics Detectors
Location:	Los Angeles, CA - Forensics Detectors Laboratory
Description:	OZONE Calibration to NIST Traceable Source
NIST Traceability:	<ol style="list-style-type: none"> 1. A Thermo Electron O3 Primary Standard 49i-PS serial number 072724741 owned by 2B Technologies. This machine was calibrated to the primary standard by NIST against their Standard Reference Photometer, serial number 0 in Gaithersburg, MA on 02/05/2020 2. Then a working standard was employed, which is a 2B Technologies Model 205 Ozone Monitor. This was calibrated by 2B Technologies to the transfer standard 49i on 03/03/2020. 3. Then a 2B Technologies Model 306 Ozone Source, Serial 455 was calibrated to the working standard on 10/13/2020. 4. The 2B Technologies Model 306 Ozone Calibration Source was then employed by FORENSICS DETECTORS on 05/05/2021 to calibrate/validate its 49C OZONE ANALYZER.
Forensics Detectors OZONE Analyzer	49C OZONE Calibrator, Primary Standard, Thermo Environmental Instruments, Serial Number 49CPS-74543-376.
Overall PASS / FAIL	PASS
Calibration Conditions	75F @ 50% RH
Accuracy	Better than 4% of reading from 0 -1ppm
Cal adjustments to Instrument required?	None. 49C was in calibration and operating very nicely, stable and accurately per its expected performance & specs. Cal coefficient factor was left at 1.0000.

202 OZONE Source	49C Reading	Deviation	%Deviation	PASS / FAIL
0	0.006	0		PASS
0.25	0.24	0.01	4.00%	PASS
0.5	0.476	0.024	4.80%	PASS
0.75	0.728	0.022	2.93%	PASS
1	0.976	0.024	2.40%	PASS
2	1.97	0.03	1.50%	PASS



Based on the following unbroken chain of comparisons that are based on the US National Institute of Standard and Technology (NIST), FORENSICS DETECTORS calibrates all of its sold OZONE meters, detectors, analyzers and monitors to its in-house NIST calibrated 49C OZONE calibrator. As such, it designates the calibration of all its sold ozone products to be NIST traceable.

Dr. Koz, Chief Engineer



Date: 03/05/2021