

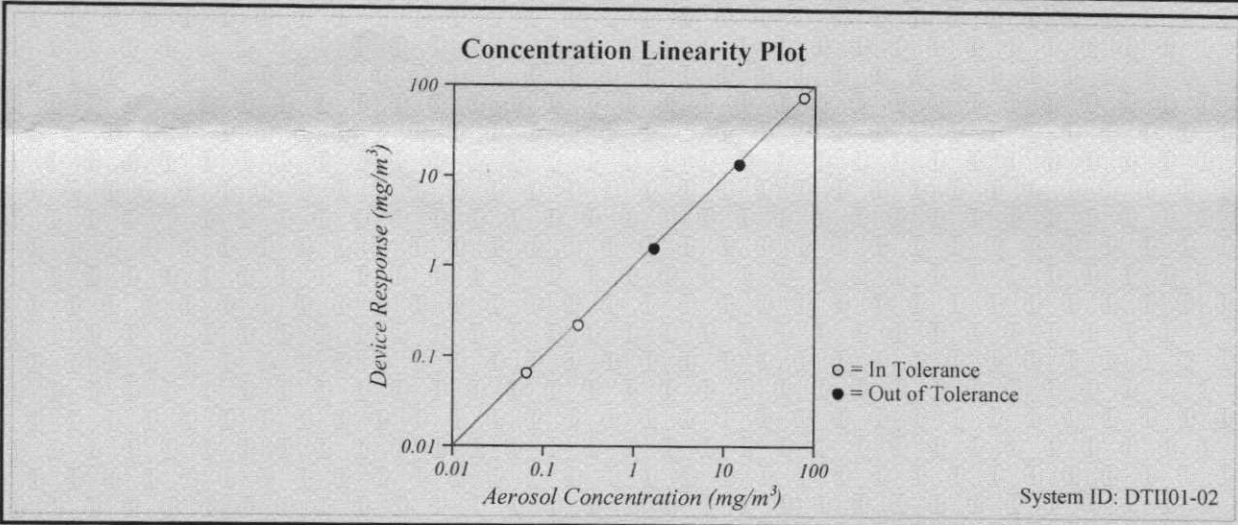


CERTIFICATE OF CALIBRATION AND TESTING

TSI Incorporated, 500 Cardigan Road, Shoreview, MN 55126 USA
 Tel: 1-800-874-2811 1-651-490-2811 Fax: 1-651-490-3824 http://www.tsi.com

Environment Conditions			Model	AM520
Temperature	77.2 (25.1)	°F (°C)	Serial Number	5201810001
Relative Humidity	49	%RH		
Barometric Pressure	28.90 (978.7)	inHg (hPa)		

<input type="checkbox"/> As Left	<input type="checkbox"/> In Tolerance	
<input checked="" type="checkbox"/> As Found	<input checked="" type="checkbox"/> Out of Tolerance	



CONCENTRATION				Unit: mg/m ³			
#	STANDARD	MEASURED	ALLOWABLE RANGE	#	STANDARD	MEASURED	ALLOWABLE RANGE
1	0.065	0.060	0.045~0.085	4	14.465	* 12.831	13.018~15.912
2	0.241	0.208	0.205~0.277	5	74.999	69.573	67.499~82.499
3	1.663	* 1.455	1.497~1.829				

TSI Incorporated does hereby certify that all materials, components, and workmanship used in the manufacture of this equipment are in strict accordance with the applicable specifications agreed upon by TSI and the customer and with all published specifications. All performance and acceptance tests required under this contract were successfully conducted according to required specifications. There is no NIST standard for optical mass measurements. Calibration of this instrument performed by TSI has been done using emery oil and has been nominally adjusted to respirable mass per standard ISO 12103-1, AI test dust (Arizona dust). Our calibration ratio is greater than 4:1

<u>Measurement Variable</u>	<u>System ID</u>	<u>Last Cal.</u>	<u>Cal. Due</u>	<u>Measurement Variable</u>	<u>System ID</u>	<u>Last Cal.</u>	<u>Cal. Due</u>
DC Voltage	E003314	01-15-20	01-31-21	DC Voltage	E003315	01-15-20	01-31-21
Photometer	E005612	02-25-20	08-31-20	Microbalance	M001324	10-03-18	10-31-20
Pressure	E003511	10-04-19	10-31-20	Flowmeter	E005140	01-09-20	01-31-21

Tomlang

May 26, 2020

Verified

Date




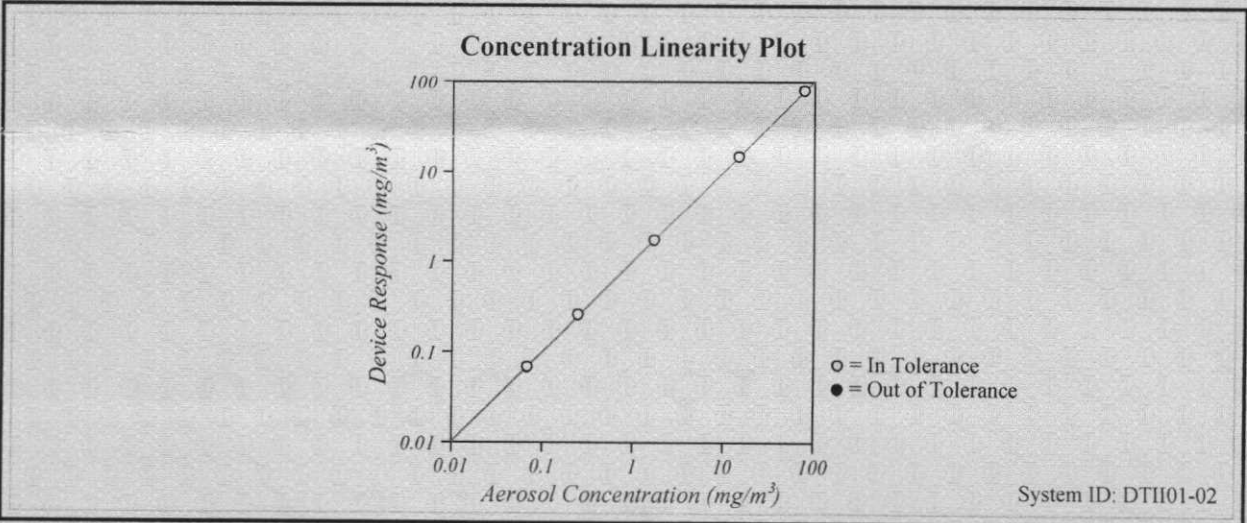
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Environment Conditions		
Temperature	74.39 (23.6)	°F (°C)
Relative Humidity	49.3	%RH
Barometric Pressure	28.87 (977.7)	inHg (hPa)

Model	AM520
Serial Number	5201810001

<input checked="" type="checkbox"/> As Left	<input checked="" type="checkbox"/> In Tolerance	
<input type="checkbox"/> As Found	<input type="checkbox"/> Out of Tolerance	



CONCENTRATION				Unit: mg/m ³			
#	STANDARD	MEASURED	ALLOWABLE RANGE	#	STANDARD	MEASURED	ALLOWABLE RANGE
1	0.067	0.064	0.047-0.087	4	14.520	14.302	13.068-15.972
2	0.242	0.243	0.206-0.278	5	76.060	75.155	68.454-83.666
3	1.683	1.628	1.515-1.851				

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Calibrated

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