



Guaranteed Effortless Control



June 16, 2016

Drive Savers, Inc
400 Bel Marin Keys Blvd.
Novato, CA 94949

Attention: Michele Rivers

Environmental Testing was performed in the following cleanroom areas at
Drive Savers, Inc., on June 11th, 2016

AREA	CLASSIFICATION	SQ. FOOTAGE	RESULT
Cleanroom A	ISO Class 5	440	Compliant
Cleanroom B	ISO Class 5	630	Compliant

Measurements were made to determine airborne particle concentrations, airflow, velocities, and room differential air pressure.

All measurements are made in accordance with ISO 14644-1 2015, ISO 14644-2: 2015, or ISO 14644-3: 2005 applicable standards, methods, and practices currently in effect. By issuing this report, Advanced Cleanroom Microclean Corporation accepts full responsibility for the accuracy of measurements and reported results at the time the measurements are made. This report and original data on file shall remain proprietary to Drive Savers, Inc.

Measurements and data recording are made by Adriana Salvatierra.

Please feel free to call anytime if you have any questions regarding this report.

Sincerely,
ADVANCED CLEANROOM MICROCLEAN CORPORATION.

Saumolia Amisone

1 ACM Testing Parameters

1.1 Airborne Particle Count

PURPOSE: To measure the particle levels in the cleanroom in order to maintain compliance of ISO 14644-1 2015 in accordance to ISO 14644-2:2015

INSTRUMENTATION: Particle Counter - Calibration documents on equipment used for certification are attached to the report.

PROCEDURES: Divide the Cleanroom work zone into grids of equal proportion and plot the sample locations according to room class and standard used to classify the cleanroom. Place the particle counter probe and take samples perpendicular to the airflow at working height. Record and report data for each considered particle size for the designated classification. The following procedure is listed in 14644-3:2005 Annex B.

Install the particle counter intake at the specified sampling location, and set up the flow rate at 1.0 CFM for a duration of one minute per location. Select the particle size threshold(s) in accordance with ISO 14644-1:1999. A sampling probe should be selected to permit close to isokinetic sampling in areas with unidirectional flow. The sample probe velocity should not differ from sampled air velocity by more than 20 %. If this is not possible, set the sampling probe inlet facing into the predominant direction of the airflow; in locations where sampled airflow being sampled is not controlled or predictable (e.g. non-unidirectional airflow; the inlet of the sampling probe shall be directed vertically upward. The transit tube from the sample probe inlet to the particle counter sensor should be as short as possible. For sampling of particles larger than and equal to $1\mu\text{m}$, the transit tube length should not exceed the manufacturer's recommended length and diameter.

ACCEPTANCE: The average particle concentration at each sample location should fall at or below class limit, and the mean of these averages should fall at or below the class limit. Under certain circumstances a 95% confidence limit is computed.

1.2 Airborne Particulate Cleanliness Classes**Federal Standard 209E**

CLASS	0.1 MICRON	0.2 MICRON	0.3 MICRON	0.5 MICRON	1.0 MICRON	5.0 MICRONS
1	35	7.5	3	1	-	-
10	350	75	30	10	-	-
100	-	750	300	100	-	-
1,000	-	-	-	1,000	-	7
10,000	-	-	-	10,000	-	70
100,000	-	-	-	100,000	-	700

ISO - 14644-1

CLASS	0.1 MICRON	0.2 MICRON	0.3 MICRON	0.5 MICRON	1.0 MICRON	5.0 MICRONS
ISO 1	10	2	-	-	-	-
ISO 2	100	24	10	4	-	-
ISO 3	1,000	237	102	35	8	-
ISO 4	10,000	2,370	1,020	352	83	-
ISO 5	100,000	23,700	10,200	3,520	832	29
ISO 6	1,000,000	237,000	102,000	35,200	8,320	293
ISO 7	-	-	-	352,000	83,200	2,930
ISO 8	-	-	-	3,520,000	832,000	29,300
ISO 9	-	-	-	35,200,000	8,320,000	293,000

Conversion Table

Particle Counts / ft ³ (≥ 0.5 μm)	Federal Standard 209 E Class	Particle Counts / m ³ (≥ 0.5 μm)	New ISO 14644-1 Class
		32,200,000	ISO Class 9
100,000	Class 100,000	3,520,000	ISO Class 8
10,000	Class 10,000	352,000	ISO Class 7
1,000	Class 1,000	35,200	ISO Class 6
100	Class 100	3,520	ISO Class 5
10	Class 10	352	ISO Class 4
1	Class 1	35	ISO Class 3
		4	ISO Class 2
			ISO Class 1

AVERAGE, MEAN, STANDARD DEVIATION, STANDARD ERROR AND UPPER CONFIDENCE LIMITS (UCL):

FOR ROOMS WHERE NUMBER OF SAMPLING LOCATIONS IS MORE THAN ONE AND LESS THAN NINE.

AVERAGE PARTICLE CONCENTRATION:

$$A = \frac{C_1 + C_2 + \dots + C_N}{N}$$

Where C_1, C_2, C_N = Individual particle counts
 N = Number of particle counts taken at each location.

MEAN OF AVERAGES:

$$M = \frac{A_1 + A_2 + \dots + A_N}{L}$$

Where A_1, A_2, \dots, A_N = Average particle concentrations at each location.
 L = Number of locations.

STANDARD DEVIATION:

$$SD = \sqrt{\frac{(A_1 - M)^2 + (A_2 - M)^2 \dots (A_N - M)^2}{L-1}}$$

Where A_1, A_2, \dots, A_N = Average particle concentrations at particular locations

M = Mean of Averages

L = Number of Locations

STANDARD ERROR:

$$SE = \frac{SD}{\sqrt{L}}$$

Where SD = Standard Deviation and L = Number of Locations

1.3 HEPA Filter Air Flow Velocity

PURPOSE: To determine the volume of air delivered through each HEPA filter and to calculate the average airflow, uniformity range and room air exchange rate, within the Cleanroom.

INSTRUMENTATION: Calibration documents for equipment used for testing will be included in the certification reports.

PROCEDURES:

1. ISO 14644-3:2005 section B-4.3.3

Supply airflow rate calculated from filter face velocity

Evaluation of the supply airflow rate without a flowhood may be done with an anemometer downstream of each final filter. The supply airflow rate is determined from the airflow velocity multiplied by the area of exit. A curtain may be used to exclude disturbances to the unidirectional airflow.

For the number of measuring points and the calculation of supply airflow rate, refer to B.4.2.3 and B.4.2.4, respectively.

If it is impossible to divide the plane into grid cells of equal areas, the average air velocity weighted by area may be substituted.

2. ISO 14644-3:2005 section B.4.2.2

Supply airflow velocity

The airflow velocity should be measured at approximately 150 mm to 300 mm from the filter face. The number of measuring points should be sufficient to determine the supply airflow rate in cleanrooms and clean zones, and should be the square root of 10 times of area in square meters but no less than 4. At least one point should be measured for each filter outlet or fan-filter unit. A curtain may be used to exclude disturbances to the unidirectional airflow.

The measuring time at each position should be also sufficient to ensure a repeatable reading. Time-averaged values of measured velocities should be recorded for multiple locations.

3. ISO 14644-3:2005 B.4.2.4

Supply airflow rate measured by filter face velocity

The results of the airflow velocity test carried out in accordance with B.4.2.2 can be used to calculate the total supply airflow rate as follows:

$$Q = \sum (U_c \times A_c)$$

Q is the total airflow rate;

U_c is the airflow velocity at each cell centre;

A_c is the cell area which is defined as the installation area divided by the number of measuring points;

\sum is the summation for all cells.

ACCEPTANCE: The average airflow velocity or the average or total airflow volume for the cleanroom or clean zone should be within \pm of the value specified for the cleanroom or clean zone, or within other tolerance limits agreed upon by the buyer and seller.

1.4 TEMPERATURE

PURPOSE: To verify the capability of the Cleanroom air handling equipment to maintain temperature within design specification.

INSTRUMENTATION: Calibration documents for equipment used in testing are included in the certification report.

1. **PROCEDURES:** This test is recommended for areas where temperature and moisture levels are primarily controlled for purposes of worker comfort rather than process or equipment requirements. When processes require strict temperature control, a more comprehensive test is performed.
2. Allow room to operate for 24 hours before testing.
3. ISO 14644-3:2005 Section B.8.2.2 Comprehensive temperature test
This test is recommended for areas having strict environmental control specifications. This test should be performed at least 1 hour after the air-conditioning system has been operated and the conditions have been stabilized. The work zone should be divided into a grid of equal areas. Individual testing areas should be selected by agreement between the customer and supplier. The number of measuring locations should be at least two-The temperature probe should be positioned at work-level height and at a distance of no less than 300 mm from the ceiling, walls, or floor of the installation. The probe position should be selected with due consideration of the presence of heat sources. Measurements should be performed as appropriate for the purpose of application and the measurement time should be at least 5 min with one value recorded at least every minute.

ACCEPTANCE: Temperature and uniformity requirements are a matter for agreement between the buyer and the seller.

1.5 Humidity

PURPOSE: To verify that the system humidity control of the Cleanroom is working at the acceptance level. Humidity control is necessary to:

1. Prevent corrosion and/or oxidation.
2. Prevent condensation on work surfaces.
3. Reduce static electricity.
4. Provide personnel comfort.
5. Prevent product contamination.
6. Compensate for hygroscopic materials.
7. Control microbial growth.

INSTRUMENTATION: Calibration documents for equipment used for testing are included in the certification report.

PROCEDURES: ISO 14644-3:2005 Section B.9.2 Procedure for humidity test
The test is performed following completion of the airflow uniformity tests and the adjustment of air-conditioning system controls. This test should be performed with the air-conditioning system fully operational and when stable conditions have been achieved. The humidity sensor should be located at least at one location for each humidity control zone, and sufficient time should be allowed for the sensor to stabilize. Measurements should be performed as appropriate for the purpose of application after the sensor has stabilized, and the measurement time should be at least 5 min. The measurement points, frequency, intervals and period for data recording should be agreed between the customer and the supplier. The humidity test should be performed in conjunction with the temperature test.

ACCEPTANCE: Humidity and uniformity requirements are a matter for agreement between the buyer and the seller.

1.6 Room Pressurization

PURPOSE: To verify that a differential pressure should be maintained between the rooms sufficient to assure airflow outward progressively from the cleanest spaces to the least clean during normal operation and during periods of temporary upsets in air balance, as when a door connecting two (2) rooms is suddenly opened.

INSTRUMENTATION: Calibration documents for equipment used in testing are included in certification report.

PROCEDURES: ISO 14644-3:2005 Section B.5.2 Procedure for air pressure difference test. It is advisable to confirm that the supply air volume and installation balancing are within specifications before commencing the measurement of differential pressure between rooms or between rooms and outside areas. With all doors closed, the pressure difference between the cleanroom and any surrounding environment should be measured and recorded. If the installation is subdivided into more than one cleanroom, the pressure differences between the innermost room and the next adjacent room should be measured. The measurement should be continued until the pressure difference between the last enclosure and surrounding ancillary environment and against the external environment is measured. The pressures being measured are very small and incorrect measurement techniques can easily give erroneous readings. The following should be considered:

- a) installation of permanent measuring points is recommended;
- b) take measurements near to the middle of the cleanroom and away from any supply air inlets or return air outlet devices which may influence the local pressure at the measuring point.

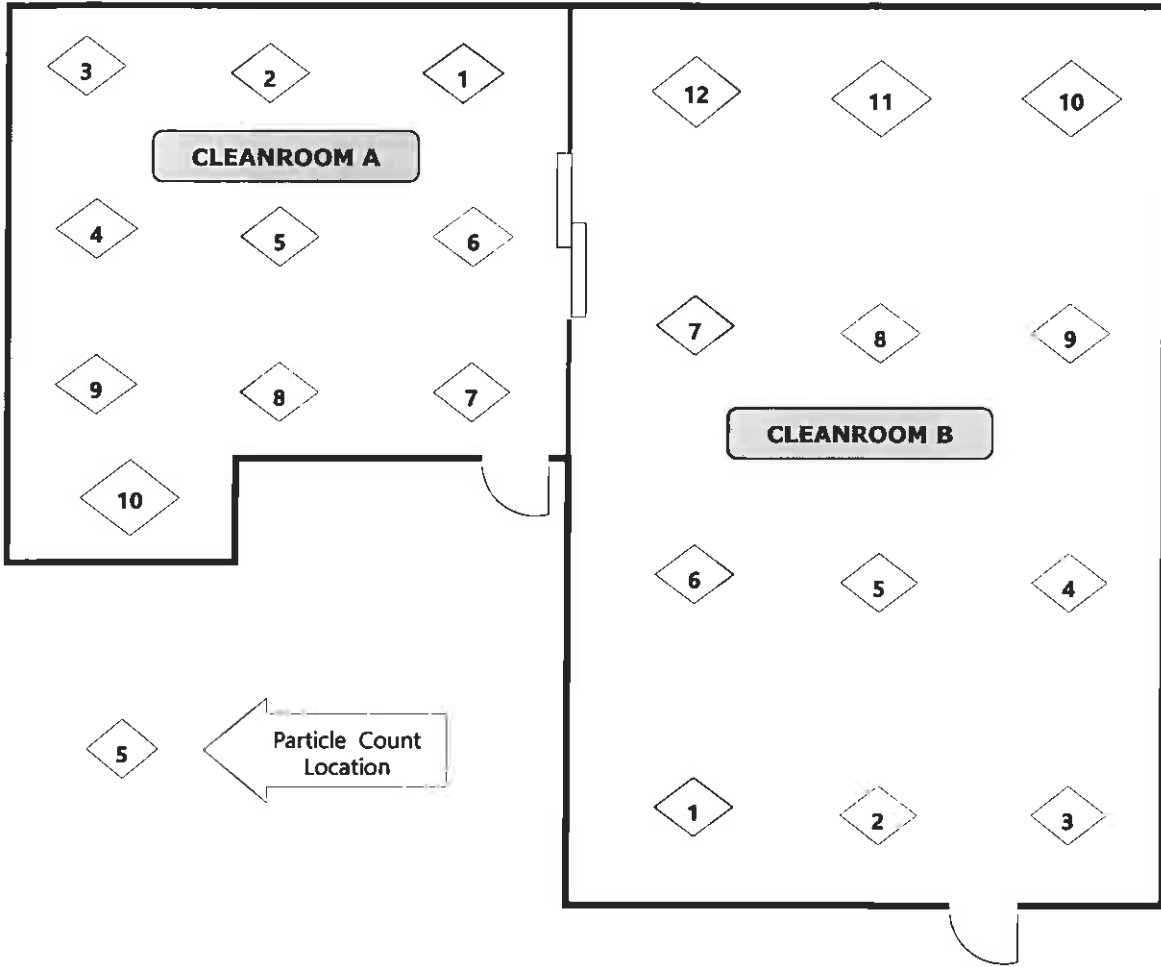
ACCEPTANCE: Pressurization and uniformity requirements are a matter for agreement between the buyer and the seller.

2 Report Content

The report includes sketches and data pages organized by area.

Pages are organized by area. Each section includes: a sketch of the Cleanroom showing particle count locations, particle count data, temperature, humidity, room air pressure and airflow data. The report sections conclude with summary data and statement of certification, followed by certificates of compliance.

CLEANROOM A & B PARTICLE COUNT SAMPLING LOCATION DIAGRAM



Initials BE Date 6/17/16

CLEANROOM A AIRBORNE PARTICLE COUNT DATA

SAMPLE LOCATION (ISO Class 5)	0.5 MICRONS (Limit 3,520)	5.0 MICRONS (Limit 29)
1	986	425
2	106	85
3	915	595
4	2,464	198
5	211	57
6	0	0
7	493	113
8	0	0
9	493	396
10	0	0
AVERAGE COUNT	566.7	186.9
STANDARD DEVIATION	760.9	212.0
STANDARD ERROR	240.6	67.0

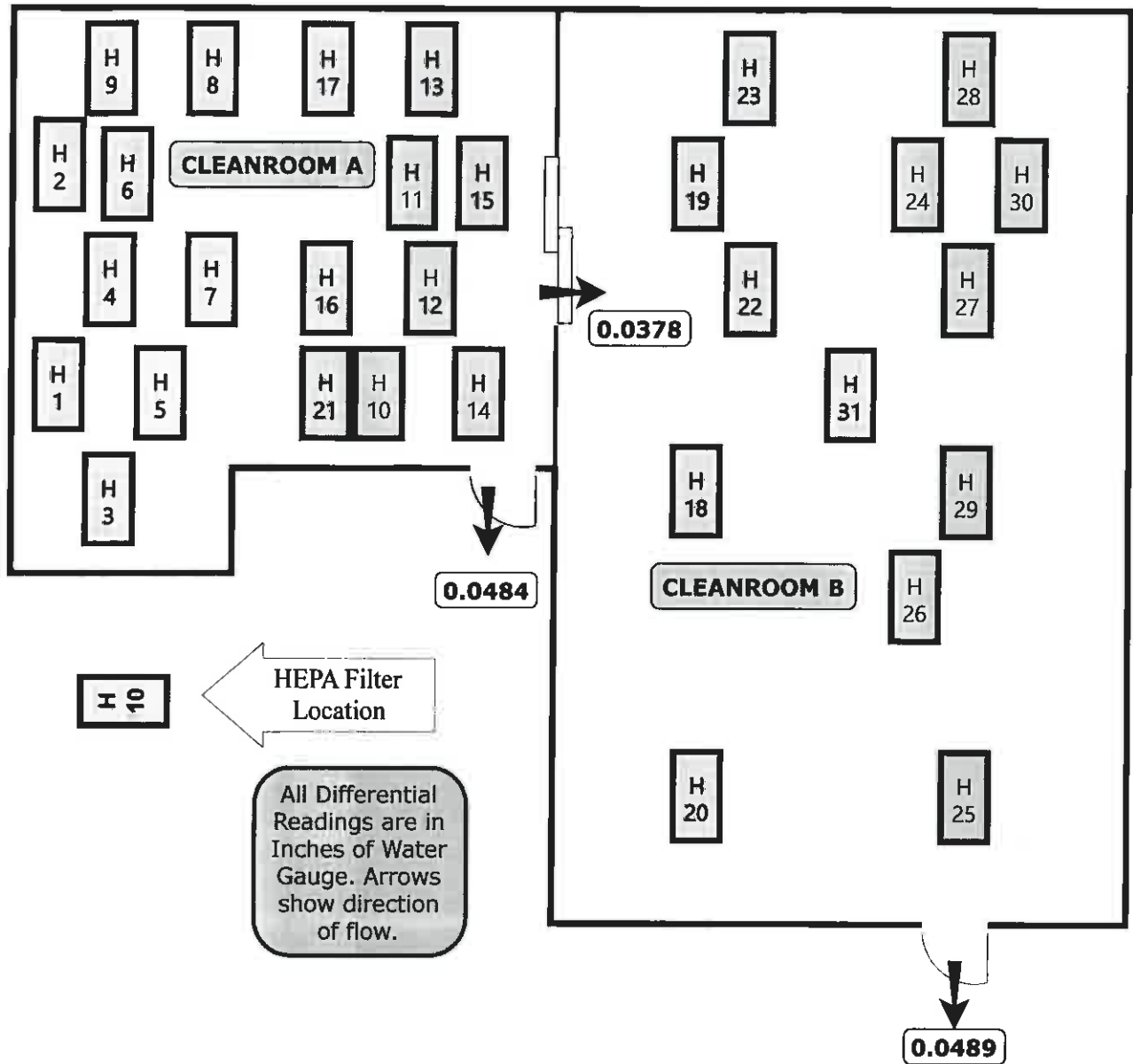
Initials BE Date 6/17/16

CLEANROOM B AIRBORNE PARTICLE COUNT DATA

SAMPLE LOCATION (ISO Class 5)	0.5 MICRONS (Limit 3,520)	5.0 MICRONS (Limit 29)
1	282	0
2	70	0
3	0	0
4	0	0
5	211	57
6	282	57
7	493	0
8	1,091	170
9	0	0
10	70	57
11	0	0
12	0	0
AVERAGE COUNT	208.3	28.3
STANDARD DEVIATION	320.0	51.2
STANDARD ERROR	92.4	14.8

Initials BE Date 6/17/16

CLEANROOM A & B HEPA FILTER LOCATION DIAGRAM



Initials BS Date 6/17/16

CLEANROOM A VELOCITY COUNT DATA

HEPA FILTER #	VELOCITY #1	VELOCITY #2	AVERAGE VELOCITY
1	110	174	142
2	128	112	120
3	129	131	130
4	102	133	118
5	127	116	122
6	120	119	120
7	113	102	108
8	127	113	120
9	92	125	109
10	122	120	121
11	131	122	127
12	118	127	123
13	115	118	117
14	97	112	105
15	127	125	126
16	107	129	118
17	114	132	123
21	112	103	108
AVERAGE AIRFLOW VELOCITY (fpm)			119.6
TOTAL AIR SUPPLIED (cfm)			14,848.8
APPROXIMATE ROOM VOLUME			3,740
THEORETICAL AIR CHANGES PER HOUR			238.2

Initials BE Date 6/17/16

Room Temperature and Humidity Test

* Average Room Temperature = 78.5°F
* Average Room Humidity = 29.0%

CLEANROOM A CERTIFICATE OF COMPLIANCE	
Test Mode:	Operational
Airflow Type:	Non-Unidirectional
Test Date:	06/11/2016
Next Test Date:	06/2017
Class:	
ISO 14644-1: 5	Limit at 0.5 μm = 3,520
CLEANROOM A Meets the Requirements Per ISO 14644-1 Class 5, at 0.5 μm Particle Size.	

Initials BE Date 6/17/16

CLEANROOM B VELOCITY COUNT DATA

HEPA FILTER #	VELOCITY #1	VELOCITY #2	AVERAGE VELOCITY
18	125	128	127
19	128	135	132
20	127	125	126
22	132	136	134
23	139	100	120
24	146	102	124
25	130	127	129
26	128	131	130
27	136	126	131
28	112	134	123
29	100	123	112
30	118	120	119
31	131	131	131
AVERAGE AIRFLOW VELOCITY (fpm)			125.8
TOTAL AIR SUPPLIED (cfm)			11,281.5
APPROXIMATE ROOM VOLUME			5,355
THEORETICAL AIR CHANGES PER HOUR			126.4

Initials BS Date 6/17/16

Room Temperature and Humidity Test

* Average Room Temperature = 75.9°F
* Average Room Humidity = 31.2%

CLEANROOM B CERTIFICATE OF COMPLIANCE	
Test Mode:	Operational
Airflow Type:	Non-Unidirectional
Test Date:	06/11/2016
Next Test Date:	06/2017
Class:	
ISO 14644-1: 5	Limit at 0.5 μm = 3,520
CLEANROOM B Meets the Requirements Per ISO 14644-1 Class 5, at 0.5 μm Particle Size.	

Initials BE Date 6/17/16



1221 Dlsk Drive Medford OR 97501
(877) 949-1525

21501-4 Service
Calibration Certificate

Report Of Calibration

Rma #: US-32942 Model : Solair 3100/5100 Company Name: ACM
Serial Number 120304001 Sensor ID 120304-002 TRH S/N: 330475/330677 Customer Asset # N/A

Calibration of this instrument has been accomplished by and is fully compliant to the methods defined in ISO 21501-4 Part 4: Light scattering airborne particle counter for clean spaces. The accuracy of the standards and equipment used in the calibration are traceable to the National Institute of Standards and Technology or have been derived from acceptable values of natural and physical constants. All records of work performed are maintained by Lighthouse Worldwide Solutions.

All work performed is in accordance with Lighthouse Worldwide Solutions. Quality Manual P/N 714252800-1. Reproduction of this certificate and accompanying documentation is prohibited without the expressed written permission of Lighthouse Worldwide Solutions.

This certifies the above named instrument conforms to the original specifications in effect at date of manufacture and test.

Final test date: June 08, 2016

Calibration was performed under the following controlled conditions:

Standard Temp °F: 73 Standard RH % : 31

Test Equipment

Type	Model	Serial Number	Calibration Due
Flowmeter	Drycal Defender 510	121374	March 25, 2017
DMM	Fluke 179	11740639	October 28, 2016
PHA	Amptek MCA8000D	0815	August 18, 2016

Threshold Voltage settings

Channel	Particle Size (µ)	Lot Number	Expiration Date	Threshold (mV)
1	0.300	43942	Nov 2017	57
2	0.500	44867	Aug 2018	500
3	1.000	44461	Apr 2018	1397
4	3.000	45270	Jun-2017	3713
5	5.000	44647	Jun 2018	4590
6	10.000	166312	Feb 2019	7853

Counting Efficiency Channel 1

Ref Counter:	Transfer Standard
Ref SN:	120999002
Ref cal due:	August 26, 2016

Size (µ)	Ref Cnt	UUT Cnt	Cnt Eff (%)	Limits
0.3	24694	8796	35.62%	30-70%
0.5	98989	98166	99.19%	90-110%

Flow rate: LPM	Limit from Nominal	False Count rate: (cn/m ³)	Size Resolution (%)	Resolution limit	Particle Size (µ)
28.30	± 5 %	0	0.52%	≤15%	0.5

Certification date: June 08, 2016

Next calibration on this Instrument is due: June 08, 2017

Signed Jasson Brown
Jasson Brown

TRH Certificate of Calibration

RMA Number: US-32942	Calibration Date: 6/8/2016
Instrument S/N: 330677.126618	Calibration Due: 6/8/2017
TRH Model: Wand Probe	TRH Reference: Vaisala
TRH S/N: 330677.126618	TRH Reference S/N J2930003
	Calibration Due: 7/16/2016

Calibration has been accomplished by comparison with standards maintained by Lighthouse Worldwide Solutions. The accuracy of the standards are traceable to the National Institute of Standards and Technology or are derived from acceptable values of natural and physical constants. A record of all work performed is maintained by Lighthouse Worldwide Solutions. All work performed is in accordance with Lighthouse Worldwide Solutions, Quality Manual P/N 714252800-1. Reproduction of this certificate and accompanying documentation is prohibited without the expressed written permission of Lighthouse Worldwide Solutions. This certifies that the instrument conforms to the following specifications:

Temperature: Range 0° to 150°F (+/- 1° F at 77° F (+/-2° F over full scale))

Humidity: Range 0-100% (non-condensing) (+/- 2% over full scale)

As Received (UUT) relative to reference RH/T Calibrator (STD) 3-point data

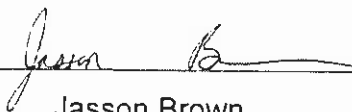
Temperature °F		
STD	UUT	Diff
74.2	76.1	1.9

Humidity %		
STD	UUT	Diff
37.6	37.1	-0.5

As Calibrated (UUT) relative to reference RH/T Calibrator (STD) 3-point data

Temperature °F		
STD	UUT	Diff
74.2	75.2	1.0

Humidity %		
STD	UUT	Diff
37.6	37.5	-0.1

Signed  Date: 6/8/2016
 Jasson Brown

TSI PN 2300157



CERTIFICATE OF CALIBRATION

TSI Incorporated, Alnor Products, 500 Cardigan Road, Shoreview, MN 55126 USA
 TEL: 1-800-874-2811 1-651-490-2811 FAX: 1-651-490-3824 www.alnor.com

ENVIRONMENT CONDITION		
TEMPERATURE	72.5	°F
RELATIVE HUMIDITY	27.9	% RH
BAROMETRIC PRESSURE	28.53	inHg

MODEL	EBT™ Micromanometer EBT730
SERIAL NO.	EBT731615019

CALIBRATION STANDARDS USED
Monometer Calibration Bench 1

<input checked="" type="checkbox"/> AS LEFT	<input checked="" type="checkbox"/> IN TOLERANCE
<input type="checkbox"/> AS FOUND	<input type="checkbox"/> OUT OF TOLERANCE

CALIBRATION DATA						
TESTING POINTS	BAROMETRIC PRESSURE MEASURED IN in.Hg			DIFFERENTIAL PRESSURE MEASURED IN in.H ₂ O		
	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE
1	20.17	20.16	19.77 - 20.57	0.1124	0.1126	0.1101 - 0.1147
2	28.59	28.58	28.02 - 29.16	0.474	0.474	0.464 - 0.484
3	34.35	34.34	33.67 - 35.03	3.00	3.00	2.94 - 3.06
4	-	-	-	11.9	11.9	11.7 - 12.1
5	-	-	-	14.7	14.7	14.4 - 15.0

TESTING POINTS	TEMPERATURE MEASURED IN °F ¹		
	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE
1	5.0	5.1	4.5 - 5.5
2	77.0	77.0	76.5 - 77.5
3	158.0	157.9	157.5 - 158.5

¹ Indicates out of tolerance condition

¹ Calibration portion of temperature measurement only, not including probe
 TSI Incorporated does hereby certify that the above described instrument conforms to the original manufacturer's specifications (not applicable to As Found data) and has been calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technology within the limitations of NIST's calibration services or have been derived from accepted values of natural physical constants or have been derived by the ratio type of self calibration techniques. The following ratios express the expanded uncertainty at a confidence level of 95% (i.e. with a coverage factor k=2) of the calibration facilities with respect to the instrument being calibrated: for barometric pressure ≥ 6.7:1; for differential pressure ≥ 3:1; for temperature ≥ 1.16:1. TSI is registered to ISO-9001:2008, Quality Assurance Requirements. This report may not be reproduced, except in full, unless permission for the publication of an approved abstract is obtained in writing from the calibration organization issuing this report.

Measurement Variable	System ID Number	Date Last Calibrated	Calibration Due Date
DC Voltage	E002798	06-16-15	12-16-16
DC Voltage	E002797	06-16-15	12-16-16
Pressure	E002400	09-09-15	09-09-16
Pressure	E002447	05-29-15	05-29-16

Calibration procedure used: 1000000787B

 Calibration By

Apr. 6, 2016

 Calibration Date

1083501A



CERTIFICATE OF CALIBRATION

TSI Incorporated, Alnor Products, 500 Cardigan Road, Shoreview, MN 55126 USA
 TEL: 1-800-874-2811 1-651-490-2811 FAX: 1-651-490-3824 www.alnor.com

ENVIRONMENT CONDITION		
TEMPERATURE	22.5	° C
RELATIVE HUMIDITY	27.9	% RH
BAROMETRIC PRESSURE	966	hPa

MODEL	EBT™ Micromanometer EBT730
SERIAL NO.	EBT731615019

CALIBRATION STANDARDS USED
Manometer Calibration Bench I

<input checked="" type="checkbox"/> AS LEFT	<input checked="" type="checkbox"/> IN TOLERANCE
<input type="checkbox"/> AS FOUND	<input type="checkbox"/> OUT OF TOLERANCE

TESTING POINTS	CALIBRATION DATA					
	BAROMETRIC PRESSURE MEASURED IN hPa			DIFFERENTIAL PRESSURE MEASURED IN Pa		
	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE
1	683	683	669 - 697	28.00	28.05	27.42 - 28.58
2	968	968	949 - 987	118	118	116 - 120
3	1163	1163	1140 - 1186	747	747	732 - 762
4	-	-	-	2964	2964	2905 - 3023
5	-	-	-	3662	3662	3589 - 3735

TESTING POINTS	TEMPERATURE MEASURED IN °C ¹		
	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE
1	-15.0	-14.9	-14.7 - -15.3
2	25.0	25.0	24.7 - 25.3
3	70.0	69.9	69.7 - 70.3

* Indicates out of tolerance condition

¹Calibration portion of temperature measurement only, not including probe
 TSI Incorporated does hereby certify that the above described instrument conforms to the original manufacturer's specifications (not applicable to As Found data) and has been calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technology within the limitations of NIST's calibration services or have been derived from accepted values of natural physical constants or have been derived by the ratio type of self calibration techniques. The following ratios express the expanded uncertainty at a confidence level of 95% (i.e. with a coverage factor k=2) of the calibration facilities with respect to the instrument being calibrated: for barometric pressure ≥ 6.7:1; for differential pressure ≥ 3:1; for temperature ≥ 1.16:1. TSI is registered to ISO-9001:2008, Quality Assurance Requirements. This report may not be reproduced, except in full, unless permission for the publication of an approved abstract is obtained in writing from the calibration organization issuing this report.

Measurement Variable	System ID Number	Date Last Calibrated	Calibration Due Date
DC Voltage	E002798	06-16-15	12-16-16
DC Voltage	E002797	06-16-15	12-16-16
Pressure	E002400	09-09-15	09-09-16
Pressure	E002447	05-29-15	05-29-16

Calibration procedure used: 1000000787B

 Calibrated By

Apr. 6, 2016

 Calibration Date