



# CERTIFICATE OF CALIBRATION

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

TEMPERATURE	24.7	°C
RELATIVE HUMIDITY	25.0	% RH
BAROMETRIC PRESSURE	725.7	mmHg

MODEL	ACCUBALANCE® 8371-M-D
SERIAL NO.	70807219

CALIBRATION STANDARD USED
Capture Hood Calibration System 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

TEST POINTS	AIR VOLUME MEASURED IN m <sup>3</sup> /h Tolerance: ± (5% of reading + 8.5 m <sup>3</sup> /h)					
	SUPPLY DATA			RETURN DATA		
	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE
1	58.7	59	47-70	59.3	59	48-71
2	75.9	74	64-88	75.4	72	63-88
3	117.4	115	103-132	117.3	115	103-132
4	203.0	204	184-222	203.2	200	185-222
5	390.1	388	362-418	390.2	388	362-418
6	550.4	549	514-586	553.9	553	518-590
7	933.4	924	878-989	932.9	937	878-988
8	1347.1	1344	1271-1423	1357.4	1364	1281-1434
9	1869.9	1905	1768-1972	1871.6	1840	1770-1974
10	2551.3	2564	2415-2687	2550.3	2556	2414-2686

\* Indicates out of tolerance condition

Standard Conditions: Ambient Temperature = 21.1 °C, Barometric Pressure = 760.0 mmHg

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 calibration ratio for this instrument is at least 2.5:1. TSI is registered to ISO-9001:2008 and complies with ISO 10012:2003, Quality Assurance Requirements for Measuring Equipment. 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	E001573	10-19-16	10-19-17
Thermometer	E002044	12-29-16	06-29-17
Pressure	E001554	04-19-17	10-19-17
Pressure	E001555	04-19-17	10-19-17
Flow	E005455	04-30-15	04-30-19
Flow	E005456	04-30-15	04-30-19
Barometric Pressure	E003782	05-23-16	05-23-17

Calibration procedure used: 9010526B

\_\_\_\_\_  
Calibrated By

4 24, 2017  
\_\_\_\_\_  
Calibration Date



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TEL: 1-800-874-2811 1-651-490-2811 FAX: 1-651-490-3824 www.tsi.com

TEMPERATURE	24.8	°C
RELATIVE HUMIDITY	25.0	% RH
BAROMETRIC PRESSURE	726.5	mmHg

MODEL	ACCUBALANCE® 8371-M-D
SERIAL NO.	70807219

CALIBRATION STANDARD USED
Capture Hood Calibration System I

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

## CALIBRATION DATA

TEST POINTS	AIR VOLUME MEASURED IN m <sup>3</sup> /h Tolerance: ± (5% of reading + 8.5 m <sup>3</sup> /h)					
	SUPPLY DATA			RETURN DATA		
	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE
1	58.6	55	47-70	58.7	56	47-70
2	-	-	-	-	-	-
3	101.2	94	86-115	100.7	95	87-114
4	254.2	248	233-275	253.7	248	233-275
5	-	-	-	-	-	-
6	-	-	-	-	-	-
7	-	-	-	-	-	-
8	1354.9	1363	1279-1431	1353.6	1383	1277-1430
9	-	-	-	-	-	-
10	2554.3	2613	2418-2691	2543.2	2518	2408-2679

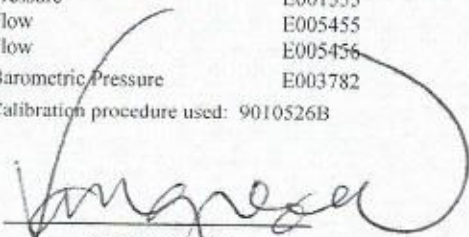
\* Indicates out of tolerance condition

Standard Conditions: Ambient Temperature = 21.1 °C, Barometric Pressure = 760.0 mmHg

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 calibration ratio for this instrument is at least 2.5:1. TSI is registered to ISO-9001:2008 and complies with ISO 10012:2003, Quality Assurance Requirements for Measuring Equipment. 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	E001573	10-19-16	10-19-17
Thermometer	E002044	12-29-16	06-29-17
Pressure	E001554	04-19-17	10-19-17
Pressure	E001555	04-19-17	10-19-17
Flow	E005455	04-30-15	04-30-19
Flow	E005456	04-30-15	04-30-19
Barometric Pressure	E003782	05-23-16	05-23-17

Calibration procedure used: 9010526B

  
 \_\_\_\_\_  
 Calibrated By

4 24, 2017  
 \_\_\_\_\_  
 Calibration Date



# CERTIFICATE OF CALIBRATION

TSI Instruments Ltd., Stirling Road, Cressex Business Park,  
High Wycombe, Bucks HP12 3ST England  
Tel: (Int +44)(UK 0) 1494 459200 Fax: (Int +44)(UK 0) 1494 459700  
<http://www.tsiinc.co.uk>

TEMPERATURE	21.2	°C
RELATIVE HUMIDITY	31.9	% RH
BAROMETRIC PRESSURE	762.9	mmHg

MODEL	ACCUBALANCE® 8371-M-D
SERIAL NO.	70807219

CALIBRATION STANDARD USED
Capture Hood Calibration System UK1

<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						
TEST POINTS	AIR VOLUME MEASURED IN m <sup>3</sup> /h Tolerance: ± ( 5% of reading + 8.5 m <sup>3</sup> /h )					
	SUPPLY DATA			RETURN DATA		
	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE
1	59.7	56	48-71	59.7	58	48-71
2	75.9	71	64-88	75.9	72	64-88
3	117.9	114	104-132	117.9	117	104-132
4	203.0	201	184-222	203.0	199	184-222
5	386.6	394	359-414	386.0	384	358-414
6	551.1	563	515-587	557.0	558	521-593
7	931.4	936	876-986	931.5	929	876-987
8	1356.0	1369	1280-1432	1359.4	1370	1283-1436
9	1869.5	1867	1768-1971	1867.3	1861	1765-1969
10	2541.5	2517	2406-2677	2548.5	2527	2413-2684

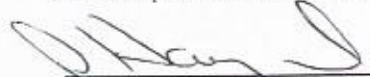
\* Indicates out of tolerance condition

Standard Conditions: Ambient Temperature = 21.1 °C, Barometric Pressure = 760.0 mmHg

TSI does hereby certify that the above described instrument conforms to the original manufacturer's specification (not applicable to As Found data) and has been calibrated using standards whose accuracies are traceable to members of the European co-operation for Accreditation (EA) for example: UKAS, SWEDAC, DAkkS) or has been verified with respect to instrumentation whose accuracy is traceable to some member of EA, or is derived from accepted values of physical constants. TSI's calibration system is registered to ISO-9001:2008.

Measurement Variable	System ID Number	Date Last Calibrated	Calibration Due Date
DC Voltage	E006072	05-13-16	05-13-17
Thermometer	E006103	05-13-16	05-13-17
Pressure	E006155	05-13-16	05-13-17
Pressure	E006095	05-13-16	05-13-17
Flow	E004015	08-14-15	08-14-18
Flow	E004017	08-12-15	08-12-18
Barometric Pressure	E006061	05-13-16	05-13-17

Calibration procedure used: 9011156A

  
Calibrated By

19 - 4 - 2017

Calibration Date