

22705 Dulles Summit Ct, Ste. 160
Dulles, VA 20166

**CERTIFICATE OF CALIBRATION
FOR
BIOSCIENCE INTERNATIONAL
11333 WOODGLEN DR
ROCKVILLE, MD 20852**

Description: **PBI, SAS S100, AIR SAMPLER**

Serial No: **20-D-16385**

Asset No: **23018-4146**

SIMCO ID: **23018-4146**

Dept: **CLEANROOMS PLUS**

PO No: **44282**

Calibration Date: 04/15/2021	Calibration Interval: 12 Months	Next Calibration Date: 04/15/2022
Arrival Condition: MEETS MANUFACTURER'S SPEC'S.		Service: CALIBRATED & CLEANED

Procedure: **MFR MANUAL**

Temperature: **67°F**

Relative Humidity: **32%**

Standards Used:

<u>Manufacturer, Model</u>	<u>Description</u>	<u>SIMCO ID</u>	<u>Due Date</u>	<u>Certificate</u>
FISHER SCIENTIFIC, 02-401	DIGITAL BAROMETER	17821-1020	09/12/2022	9303239
TSI INCORPORATED, 8455-09	Air Velocity Transducer	17821-747	05/11/2021	9162264
FLUKE, 73	DMM	17821-230	09/11/2021	8979783

Detail Of Work Performed:

HEAD #: 52060
MEDIA TYPE: BBL TSA
PLATE #: 2306
LOT #: 0310277
EXP. DATE: 4/21/2021

There are 1 Supplementary Data Sheet(s) attached.

Work performed by:
Jack Lee



Reviewed by:



SIMCO Electronics' quality management system conforms to ISO 9001:2015, ISO/IEC 17025:2017, and ANSI/NCSL Z540-1-1994. All calibrations are performed using internationally recognized standards traceable to the International System of Units (SI Units). Traceability is achieved through calibrations by the National Institute of Standards and Technology (NIST), other National Measurement Institutes (NMIs'), or by using natural physical constants, intrinsic standards or ratio calibration techniques. Instruments are calibrated with a test uncertainty ratio of 4:1 or greater, otherwise measurement uncertainty analysis and/or guard bands are applied during the measurement process. The information shown on this certificate applies only to the instrument identified above and may not be reproduced, except in full, without prior written consent from SIMCO Electronics. There is no implied warranty that the instrument will maintain its specified tolerances during the calibration interval due to possible drift, environment, or other factors beyond our control.

Dated: **04/15/2021**



CALIBRATION DATA/TEST SHEET

MANUFACTURER: <u>PBI</u>	MODEL #: <u>SUPER 100</u>	CERT #: <u>9302431</u>
DESCRIPTION: <u>AIR SAMPLER</u>	SERIAL #: <u>20-D-16385</u>	ID #: <u>23018-4146</u>
CALIBRATION DATE: <u>4/15/2021</u>	TEMP: <u>67</u> % RH: <u>32</u>	TESTED BY: <u>17583</u>
PROCEDURE: <u>MFR MANUAL</u>	APPROVED BY: <u>J. Settle</u>	DATE: <u>9-15-11</u>
PAGE: <u>1</u> of <u>1</u>	FILE LOCATION: <u>019</u>	REV #: <u>2</u>

PROC STEP#	FUNCTION TESTED	NOMINAL VALUES	OBSERVATION		CALIBRATION LIMITS
			INITIAL	FINAL	
P.10.0	BAROMETER RDG. inHg	Ambient	29.350	29.350	AS READ
P.10.1	Correction Factor	As calculated	0.984	0.984	CALCULATED
3.0	ANEMOMETER RDG	MTRS/SEC	0.285	0.283	AS READ
3.1	CORRECTED AIR	MTRS /SEC	0.2805	0.2786	CALCULATED
3.2	AIR FLOW	100 LTRS/MIN	100.9	100.2	95-105
4.0	DISPLAY SETTING (time in				
	100 LITERS	As calculated	0.9913	0.9983	CALCULATED
	500 LITERS	As calculated	4.9566	4.9916	CALCULATED
	1000 LITERS	As calculated	9.9132	9.9832	CALCULATED
P.4.0 / 5.0	BATTERY OUTPUT, 9 V(dc)	none	10.06	9.59	≥ 9 V after full charge
P.11.0	Validated with Media:				
See note	Media type	BBL TSA			Taken from Media used
See note	Plate NO.	2306			Taken from Media used
See note	Plate LOT#	0310277			Taken from Media used
See note	Plate EXP.DATE:	4/21/2021			Taken from Media used
	Note: for customer's				
P.12.0	Customer's Media type (not				Equivalent to Media used +/-2%
P.13.0	Head No. (used in testing)	52060			
	Note: for customer's				
P.14.0	Head No. (customer's, not				Equivalent to Head used +/-1%
	ANEMOMETER SERIAL				
	NO. 99030166				
	Note: for customer's				