LVM'Air
Location Vente Métrologie

CERTIFICATE OF CALIBRATION

LVM'Air, Ecoparc 2, 2 Allée de la Fosse Moret, 27400, Heudebouville
Tel: 02 76 60 02 19 https://lvmair.fr/

Environmental Conditions		
Temperature	65.3 (18.5)	°F (°C)
Relative Humidity	57.0	%RH
Barometric Pressure	28.9 (977.4)	inHg (hPa)

Model	**A100-35**
Serial Number	**A100352606006**
Customer Name	
Asset ID	

☒ As Left ☐ As Found

☒ In Tolerance ☐ Out of Tolerance

AeroTrak Calibration Bench

Reference Instrument	System ID	Serial Number	Last Cal Date	Cal Due Date
Flow Meter	E011302	40402030013	2025-11-10	2026-11-10
Remote Particle Counter	E011271	63102024001	2025-11-06	2026-11-06

Calibration Particles

Particle Size (µm)	Standard Uncertainty (µm)	Standard Deviation (µm)	Lot No.	Expiration Date
0.300	0.005	0.0066	299922	2029-01-31
0.509	0.008	0.0084	297238	2028-11-30
0.994	0.021	0.010	297078	2028-11-30
3.12	0.03	0.06	300843	2029-02-28
5.01	0.04	0.07	302021	2029-03-30
9.92	0.06	0.14	301781	2029-03-01

LVM'Air does hereby certify that the calibration performed on the above described instrument meets the requirements of ISO 21501-4:2018. LVM'Air 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 the United States National Institute of Standards and Technology (NIST) or has been verified with respect to instrumentation whose accuracy is traceable to NIST, or is derived from accepted values of physical constants. LVM'Air is registered to ISO-9001:2015.

NOIRTIN Juliette
CALIBRATED BY

2026-10-23
CALIBRATION DATE


SIGNATURE

Heudebouville
CALIBRATION LOCATION

LVM'Air
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Size Setting		
Threshold Size (µm)	**Threshold Channel**	**Std. Uncertainty**
0.3	34	1.7%
0.5	499	1.6%
1.0	1233	2.3%
3.0	4196	3.2%
5.0	4374	0.81%
10.0	5377	2.5%

Size Resolution				
Nominal Particle Size (µm)	**Measured**	**Allowable Range**	**Std. Uncertainty**	**Pass/Fail**
0.5	7.7%	≤ 15%	1.6%	Pass

Counting Efficiency ♦				
Nominal Particle Size (µm)	**Measured**	**Allowable Range**	**Std. Uncertainty**	**Pass/Fail**
0.3	56%	30-70%	3.7%	Pass
0.5	97%	90-110%	3.6%	Pass

False Count						
Sample Time (min)	**Sample Volume (L)**	**Measured Counts (#)**	**Concentration (#/m^3)**	**95% UCL (#/m^3)**	**Allowable Range (#/m^3)**	**Pass/Fail**
64	3200	0	0.00	0.9	≤ 4.0	Pass

Sampling Flow Rate (L/min)					
Nominal	**Actual**	**MPE ‡**	**Flow Error**	**Std. Uncertainty**	**Pass/Fail**
50.00	49.93	5%	-0.14%	0.45%	Pass

Response Rate †		
Measured	**Allowable Range**	**Pass/Fail**
0.008%	≤ 0.5%	Pass

Maximum Particle Concentration †
286,383,300 #/m^3 @10% Coincidence Loss

Sampling Time Accuracy †		
Measured	**MPE ‡**	**Pass/Fail**
< 0.1%	1%	Pass

† Tested and verified during product development

♦ Counting Efficiency was obtained via digital output

‡ Maximum Permissible Error

Calibration Interval	
Calibration Date	**Expiration Date**
2026-10-23	2027-10-23