



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017¹

BLUE HEAVEN TECHNOLOGIES LLC
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MECHANICAL

Valid To: July 31, 2023

Certificate Number: 6298.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above as well as the one (1) satellite laboratory location listed below to perform the following types of tests on filters and components with the following operational ranges:

- Particle Sizes from 7 nanometers up to 200 micrometers
- Pressure differential readings up to 50" w.g. (12,500 Pa)
- Air flow rates up to 50,000 ft³/min (85,000 m³/hr.)
- Temperature exposure up to 300°F (149°C)
- RH exposure up to 99% non-condensing.
- Gas Phase Activity

<u>Tests:</u>	<u>Test method(s):</u>
General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size	ANSI/ASHRAE 52.2
Air Filter for General Ventilation-Full	ISO 16890:-1, ISO 16890:-2, ISO 16890:-3, ISO 16890:-4
High Resistance Breach Testing	BHT WI 5.4-340 (Dry Breach); BHT WI 5.4-341 (Standard Wet Breach); BHT WI 5.4-342 (72 Hour Wet Breach)
Flammability Test	RP 559
Baggy Filter Test	AAR R807
Filtration Efficiency of Paint Arrestor Systems	NESHAP 319
Industrial Intake Filter Testing	ISO 5011 section 7.0
Saudi ARAMCO System Testing	32-SAMSS-008 Appendix II
200 Hour Dust Rejection Testing	GE Document 221A3087 Rev. L section 3.2.4.1, GE Document 221A3087 Rev. L section 4.5
ASHRAE 199 System Testing	ANSI/ASHRAE 199

<u>Tests:</u>	<u>Test method(s):</u>
Performance of Room Air Cleaners	ANSI/AHAM AC-1
High Efficiency Air Filter Testing	EN 1822-1, ISO 29463-5 [European]; ISO 29463-01, ISO 29463-5
Flat Sheet Initial Efficiency	ANSI/ASHRAE 52.2, ANSI/ASHRAE 52.2 Appendix J; EN 779; ISO 16890-2, ISO 16890-4
1822 Flat Sheet Efficiency	EN 1822-1, ISO 29463-3 [European]; ISO 29463-01, ISO 29463-3
Flat Sheet Dust Holding [FSD]	BHT WI 5.4-310
Mullen Burst Testing	ASTM D3786-87 (INDA IST 30.1), (INDA IST 30.2)
Frazier Permeability Testing	ASTM D-737
Resistance Traverse	ASHRAE 52.2
Automotive Engine Intake Filter Testing	ISO 5011 – Sec. 6.4.2
Cabin Air Filter Testing	ISO 11155-1, ISO 11155-2
Respirator N95 Efficiency Screening Test – Flat Sheet or Mask	NIOSH N95; Modified TEB-APR- STP 0059
Respirator N95 – Full Test for Efficiency	NIOSH N95 – TEB-APR-STP – 0059
Respirator N95 – Test for Resistance	NIOSH N95 – TEB-APR-STP – 0003 & 0007
FDA Medical Mask Testing Efficiency	ASTM F2299
FDA Medical Mask Testing Resistance	EN-14683 Annex C
Requirements for Barrier Face Coverings	ASTM F3502-21
Initial, Fractional, Filtration Efficiency of a Vacuum Cleaner System	ASTM F1977
HEPA Filtration System Performance of Residential and Commercial Vacuum Cleaners	ASTM F3150
Electrostatic Air Cleaners - Ozone Chamber Emissions Testing	CSA 22.2 187 Clause 7.4
Electrostatic Air Cleaners – Ozone Testing	UL 867

¹ This accreditation covers testing performed at the main laboratory listed above and the following satellite laboratory listed below:

BLUE HEAVEN TECHNOLOGIES LLC.
179 Hamilton Court
Brooks, KY 40229

<u>Tests:</u>	<u>Test method(s):</u>
General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size	ANSI/ASHRAE 52.2
High Efficiency Filter Testing	EN 1822-1; ISO 29463-3 [European], ISO 29463-01, ISO 29463-3
Electrostatic and UVC Air Cleaners Duct Mounted Emissions Test	CSA 22.2 187 Clause 7.5, 7.6
Assessing the Performance of Gas Phase Air Cleaning Systems	ASHRAE 145.1 Loose Granular Media Test, ASHRAE 145.2 Air Cleaning Devices Full Test



Accredited Laboratory

A2LA has accredited

BLUE HEAVEN TECHNOLOGIES LLC

Louisville, KY

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 10th day of August 2021.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6298.01
Valid to July 31, 2023

For the types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.