


THE
SAFE AIR
ZONE 

AIRBOXTM
CLEAN AIR. PURE & SIMPLE.

TSAZ School Deck

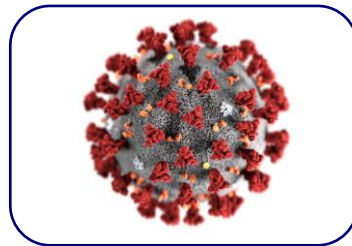
3rd party testing of the AIRBOX unit with **Sars-Cov-2 (COVID-19)**



Scientific Lab Testing Results

- ✓ Tested at full scale in a 1000 cubic foot room
- ✓ Removed 99.99% in 25 minutes
- ✓ Removed 99.57% of the virus in 10 minutes
- ✓ Removed 99.9999% in 40 minutes

Eliminates 99.99% of all particle sizes



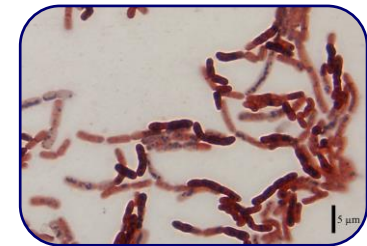
SARS-CoV-2
COVID-19



Staphylococcus
Aureus



E. Coli



B. Subtilis



The Certification



Study Update

Sponsor: Meredith Teague, Airbox

Study ID: NG 16435

Date: 04 NOV 2020



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

Microchem Laboratory, LLC

1304 W. Industrial Blvd.
Round Rock, TX 78681

has been assessed by ANAB and meets the requirements of international standard

ISO/IEC 17025:2017

while demonstrating technical competence in the field of

TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

L2450

Certificate Number

ANAB Approval

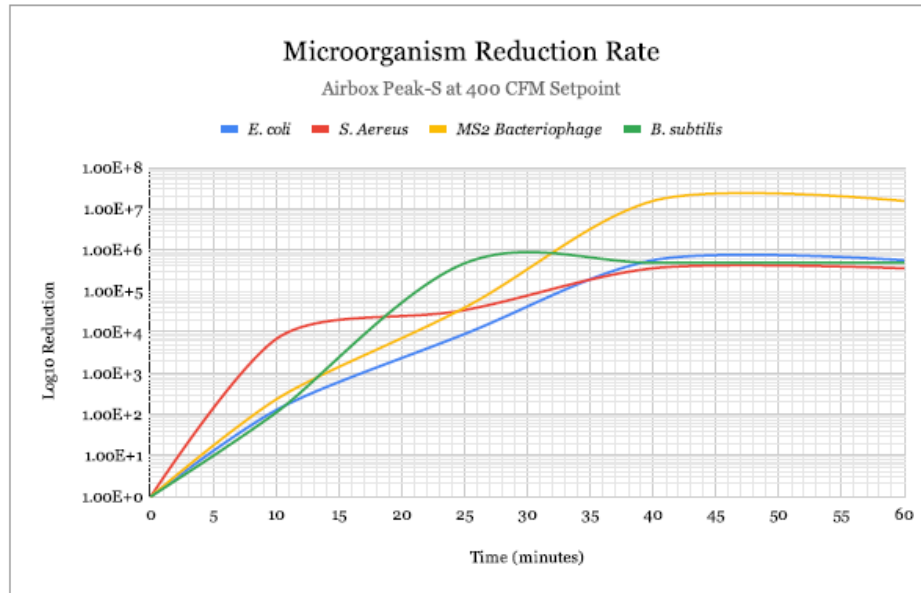
Certificate Valid Through: 04/20/2021
Version No. 003 Issued: 03/25/2019



Dimensions



The Tests



Microorganism	Initial Concentration (CFU/cu m.)
<i>E. coli</i>	4.84E+07
<i>S. Aureus</i>	3.08E+07
<i>MS2 Bacteriophage</i>	1.34E+09
<i>B. subtilis</i>	4.22E+07

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Test Microorganism	Test Device	Treatment Time Point	Replicate	CFU/ml	Average CFU/ml	Volume Recovered from Biosamplers (ml)	CFU/m ³	Average CFU/m ³	Percent Reduction Compared to Time Zero	Log ₁₀ Reduction Compared to Time Zero ¹
<i>E. coli</i> ATCC 11775	Airbox Peak-S	N/A	Inoculum 1	2.40E+08	2.40E+08	N/A	N/A	N/A	N/A	N/A
		Time Zero	Replicate 1	2.75E+05	2.75E+05	22	4.84E+07	4.84E+07	N/A	N/A
		10 Minute	Replicate 1	2.10E+03	2.10E+03	22.6	3.80E+05	3.80E+05	99.22%	2.11
		25 Minute	Replicate 1	3.00E+01	3.00E+01	22.4	5.38E+03	5.38E+03	99.99%	3.95
		40 Minute	Replicate 1	5.00E-01	5.00E-01	21.6	8.64E+01	8.64E+01	99.9998%	5.75
		60 Minute	Replicate 1	5.00E-01	5.00E-01	21.6	8.64E+01	8.64E+01	99.9998%	5.75

¹The Log reductions for the Test Runs are adjusted to account for natural die-off and gravitational settling observed in the Control Run.

Test Microorganism	Test Device	Treatment Time Point	Replicate	CFU/ml	Average CFU/ml	Volume Recovered from Biosamplers (ml)	CFU/m ³	Average CFU/m ³	Percent Reduction Compared to Time Zero	Log ₁₀ Reduction Compared to Time Zero ¹
<i>S. Aureus</i> ATCC 6538	Airbox Peak-S	N/A	Inoculum 1	2.15E+07	2.15E+07	N/A	N/A	N/A	N/A	N/A
		Time Zero	Replicate 1	1.75E+05	1.75E+05	22	3.08E+07	3.08E+07	N/A	N/A
		10 Minute	Replicate 1	2.50E+01	2.50E+01	22.6	4.52E+03	4.52E+03	99.985%	3.83
		25 Minute	Replicate 1	5.00E+00	5.00E+00	22.4	8.96E+02	8.96E+02	99.997%	4.54
		40 Minute	Replicate 1	5.00E-01	5.00E-01	21.6	8.64E+01	8.64E+01	99.9997%	5.55
		60 Minute	Replicate 1	5.00E-01	5.00E-01	21.6	8.64E+01	8.64E+01	99.9997%	5.55

¹The Log reductions for the Test Runs are adjusted to account for natural die-off and gravitational settling observed in the Control Run.

Test Microorganism	Test Device	Treatment Time Point	Replicate	CFU/ml	Average CFU/ml	Volume Recovered from Biosamplers (ml)	CFU/m ³	Average CFU/m ³	Percent Reduction Compared to Time Zero	Log ₁₀ Reduction Compared to Time Zero ¹
<i>B. subtilis</i> ATCC 19659	Airbox Peak-S	N/A	Inoculum 1	5.00E+08	5.00E+08	N/A	N/A	N/A	N/A	N/A
		Time Zero	Replicate 1	2.40E+05	2.40E+05	22	4.22E+07	4.22E+07	N/A	N/A
		10 Minute	Replicate 1	2.10E+03	2.10E+03	22.6	3.80E+05	3.80E+05	99.10%	2.05
		25 Minute	Replicate 1	5.00E-01	5.00E-01	22.4	8.96E+01	8.96E+01	99.9998%	5.67
		40 Minute	Replicate 1	5.00E-01	5.00E-01	21.6	8.64E+01	8.64E+01	99.9998%	5.69
		60 Minute	Replicate 1	5.00E-01	5.00E-01	21.6	8.64E+01	8.64E+01	99.9998%	5.69

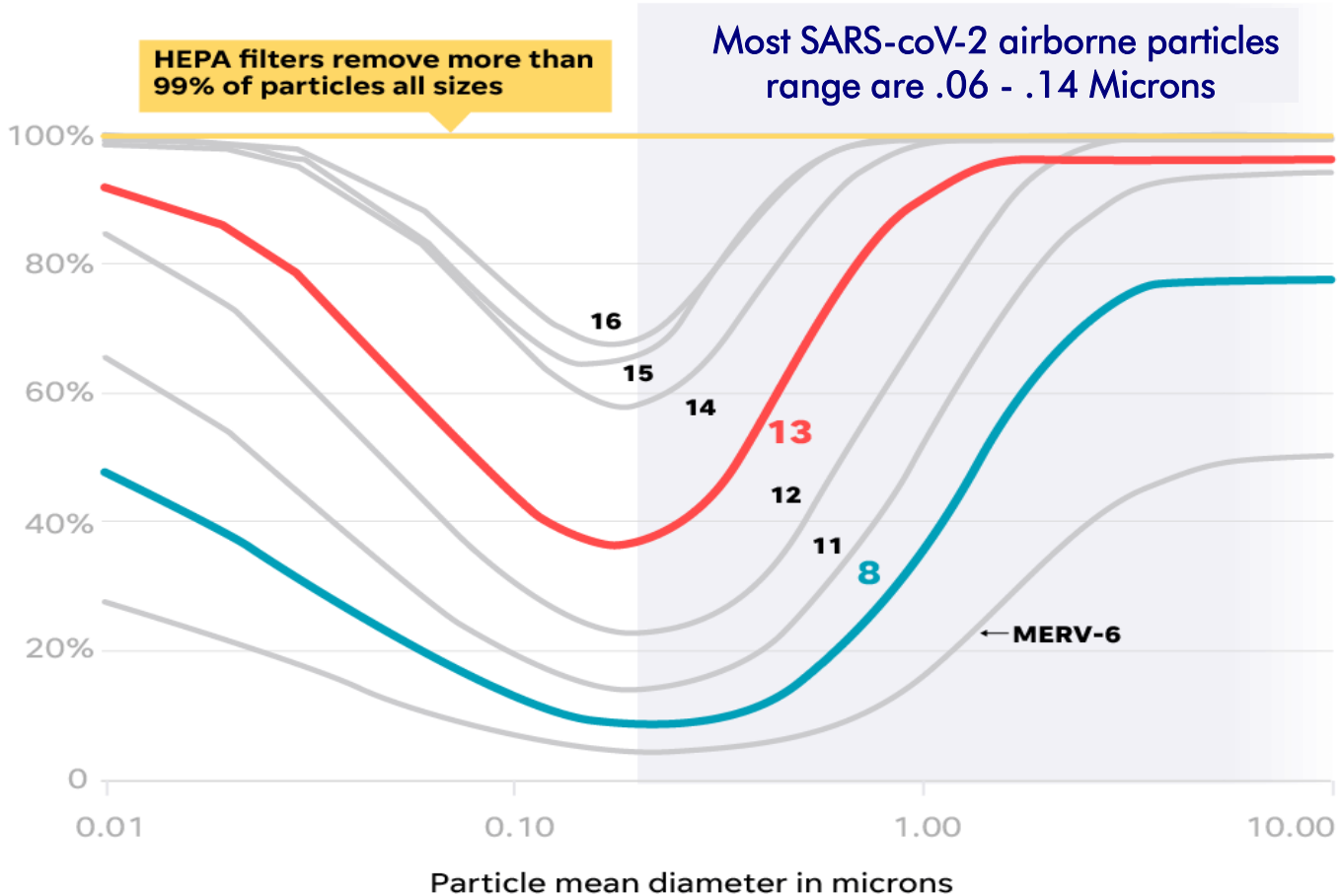
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Test Microorganism	Test Device	Treatment Time Point	Replicate	CFU/ml	Average CFU/ml	Volume Recovered from Biosamplers (ml)	CFU/m ³	Average CFU/m ³	Percent Reduction Compared to Time Zero	Log ₁₀ Reduction Compared to Time Zero ¹
<i>MS2 Bacteriophage</i> ATCC 15597-B1	Airbox Peak-S	N/A	Inoculum 1	6.90E+09	6.90E+09	N/A	N/A	N/A	N/A	N/A
		Time Zero	Replicate 1	7.60E+06	7.60E+06	22	1.34E+09	1.34E+09	N/A	N/A
		10 Minute	Replicate 1	3.20E+04	3.20E+04	22.6	5.79E+06	5.79E+06	99.57%	2.36
		25 Minute	Replicate 1	1.90E+02	1.90E+02	22.4	3.40E+04	3.40E+04	99.997%	4.59
		40 Minute	Replicate 1	5.00E-01	5.00E-01	21.6	8.64E+01	8.64E+01	99.99994%	7.19
		60 Minute	Replicate 1	5.00E-01	5.00E-01	21.6	8.64E+01	8.64E+01	99.99994%	7.19

¹The Log reductions for the Test Runs are adjusted to account for natural die-off and gravitational settling observed in the Control Run.



CERTIFIED HEPA filters out 99.99% particles of ALL SIZES

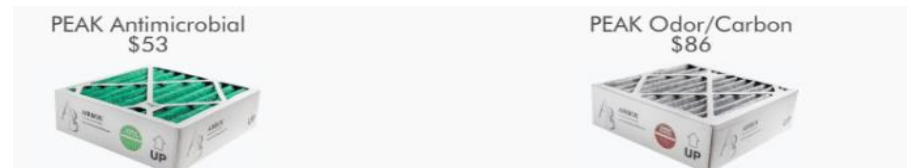


Peak Series-S

Dimensions



- **Height:** 27 Inches
- **Length:** 13 Inches
- **Width:** 13 Inches
- **Weight:** 44 Pounds
- **CFM:** 425
- **Noise Levels:** 34-72 Decibels
- **Sq Footage Filtration:** 1000 Square Feet
- **Plugs into any 120v outlet**



Apex Series-S

Dimensions



- **Height:** 47 Inches
- **Length:** 23 Inches
- **Width:** 18 Inches
- **Weight:** 70 Pounds
- **CFM:** 880
- **Noise Levels:** 54-59 Decibels
- **Sq Footage Filtration:** 3000 Square Feet
- **Plugs into any 120v outlet**

APEX Antimicrobial
\$75



APEX Odor/Carbon
\$74



Note about APEX

With proper maintenance and replacement of pre filters (every 4-6 months based on environment), HEPA filter can last the lifetime of the unit (in excess 5 years)