



## Filtco HEPA/ULPA Filter Independent Performance Specifications <sup>1</sup>

HEPA and ULPA filters are designed to contain microorganisms and airborne particulates. Each filter is rated for overall efficiency using industry standard test IEST-RP-CC001.6<sup>2</sup>.

### Test Conditions

- Test Type: IEST-RP-CC001.6<sup>3</sup>
- Temperature and Humidity: 72°F, 21% RH
- Test Aerosol: Latex beads, neutralized
- Airflow: 225 cfm
- Air Velocity: 100 fpm
- Manufacturer: Air Science USA LLC, Filtco Filters

Test Date	8/17/2023	8/17/2023	10/19/2022
<b>Filter ID</b>	HEPA	HEPA	ULPA
<b>LMS #</b>	8617	8617	8061
<b>Flow Rate</b>	225 cfm	225 cfm	225 cfm
<b>ΔP H<sub>2</sub>O</b>	1.220	1.220	1.220
<b>Filter Frame</b>	Aluminum	Aluminum	Aluminum
<b>Filter Medium</b>	Pleated HEPA	Pleated HEPA	Pleated ULPA
Particulate Size Range	Fractional Efficiency		
<b>0.1 - 0.2</b>	99.998%	99.998%	99.996%
<b>0.2 - 0.3</b>	99.998%	99.998%	99.997%
<b>0.3 - 0.5</b>	100.000	100.000	99.999%
<b>0.5 - 0.7</b>	100.000	100.000	100.000
<b>0.7 - 1.0</b>	100.000	100.000	100.000
<b>1.0 - 2.0</b>	100.000	100.000	100.000
<b>2.0 - 3.0</b>	100.000	100.000	100.000
<b>3.0 - 5.0</b>	100.000	100.000	100.000

$$F_{eff} = \frac{C_{up} - C_{down}}{C_{up}} \times 100\%$$

1. Testing Facility: LMS Technologies, Inc. 6423 Ceilia Circle, Bloomington, MN 55439

2. <https://www.iest.org/Standards-RPs/Recommended-Practices/IEST-RP-CC001>

3. Formula  $F_{eff}$  = Fractional Efficiency;  $C_{up}$  = Particle Concentration, Upstream of Filter;  $C_{down}$  = Particle Concentration Downstream of Filter