

Advanced Air: Maverick 1600 Independent Laboratory Testing

The Maverick 1600 by Advanced Air has been tested in an independent third-party testing laboratory. The Maverick 1600 units tested use Advanced Air's exclusive 7 stage filtration system which incorporates 7 different air purification technologies into one unit to reduce pollutants and improve indoor air quality.

H13 HEPA FILTER EFFICIENCY TESTING

Notice to Reader: Four tests conducted using four particle sizes ranging between 0.10 - 0.50 microns (μm). North American and EU standard HEPA Efficiency Rating to be classified "HEPA" is based on removal of 99.97% or greater of particulates 0.3 microns in size. The standard for H13 and H14 Medical Grade HEPA are as follows:

H13 HEPA: Removal of 99.95% of particulate down to 0.1 micron (μm) ; H14 HEPA: Removal of 99.995% of particulate down to 0.1 micron (μm).

*Note: Upgrade to H14 HEPA Filter is available for the Maverick 1600, Medical Grade H13 HEPA comes standard.

Reduction 0.10 - 0.15 μm	Reduction 0.15 - 0.20 μm	Reduction 0.20 - 0.30 μm	Reduction 0.30 - 0.50 μm	Testing Organization
99.982%	99.995%	99.999%	99.999%	GTT Laboratory

VIRUS TESTING

Specimen	Time	Reduction	Testing Organization
H1N1 Influenza A Virus	60 minutes	99.99%	GZ Institute of Microbiology

BACTERIA TESTING

Specimen	Time	Reduction	Testing Organization
Staphylococcus Albus 8032	60 minutes	99.99%	GZ Institute of Microbiology
Staphylococcus Aureus ATCC	60 minutes	99.99%	GZ Institute of Microbiology
Escherichia Coli 8099 (E. Coli)	60 minutes	99.99%	GZ Institute of Microbiology

VOC (CHEMICAL) TESTING

Specimen	Time	Reduction	Testing Organization
Formaldehyde	30 Minutes	91.06%	GZ Institute of Microbiology

CLEAN AIR DELIVERY RATE

Clean Air Delivery Rate	Particulate	Formaldehyde	Certified Standard	Testing Organization
CADR (m^3/hr)	633.1	396.7	GB/T 18801-2015	GZ Institute of Microbiology

H1N1 Influenza A Virus

A strain of Influenza A which was associated with the outbreaks of the 1918 Spanish Flu pandemic, 1977 Russian Flu pandemic and 2009 Swine Flu pandemic.

Staphylococcus Albus 8032

Staphylococcus albus, also known as Staphylococcus epidermis, is a bacteria that is one of the bacteria that are natural human flora, especially the skin. It is one of the leading causes of skin and soft tissue infections.

Staphylococcus Aureus ATCC

One of the leading bacteria to cause infections in humans. Although *S. aureus* usually acts as a commensal of the human microbiota it can also become an opportunistic pathogen, being a common cause of infections including abscesses, respiratory infections, and food poisoning.

Escherichia Coli 8099: E. Coli bacteria is commonly found in the lower intestine of which some serotypes can cause serious illness.

Formaldehyde: Formaldehyde is chemical commonly used in building materials as well as furniture & flooring. Due to its wide use, it is a common VOC found in indoor air. Formaldehyde is a known carcinogen which can pose both short and long term health effects.