LIFAar

Responsible for Every Breath

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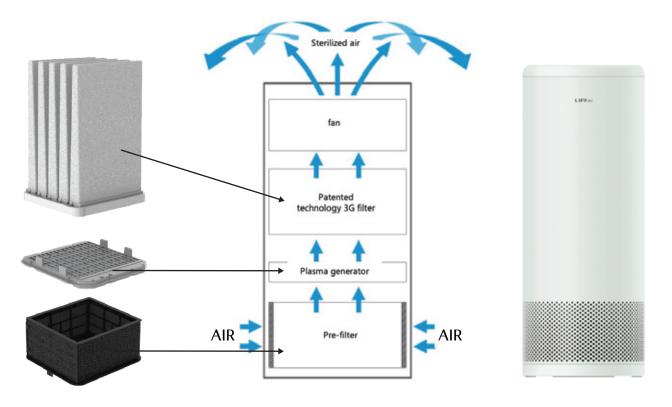
LAS302 | Smart Air Purifier + Sterilizer

Introducing LIFAair's first smart air purifier + sterilizer. It is an all-encompassing triple purification system designed for optimum indoor air quality to eliminate bacteria and viruses in enclosed spaces.

The LIFAair LAS302 Smart Air Purifier + Sterilizer is an efficient three-step cleaning system that begins with a pre-filter, as the air moves through to a plasma generator, then into our patented 3G filter to the fan and out into the room's atmosphere.

Through the rotating fan blades, the machine pumps indoor air from the bottom inlet, filters it through the three filtration stations, and outputs clean sterilized air via the top of the LAS302 system.

This three-step filtration sterilizes and eliminates bacteria completely as the machine continuously circulates clean air that reduces bacteria, pollutants and viruses by 99.99%.



Understanding Plasma Technology

Plasma is a material form consisting mainly of free electrons and charged ions, often considered to be the fourth state of matter, called the plasma state. Plasma has very high conductivity and strong coupling with electromagnetic fields. Strictly speaking, plasma is a gas mass with high energy and dynamic energy, which contains a large number of reactive oxygen ions. High-energy free radicals and other components can easily react with bacteria, molds, spores, and proteins and nucleic acids in viruses to denature them and cause various microorganisms to die.



Technology used: Plasma technology Sterilization strength: Plasma density 3.46×1014 m³ Effective against which types of microorganisms: Common bacteria in the air Microbial Sterilization Rate 2 Hours Operation at Full Speed Sterilization rate for staphylococcus albus (strain: 8032); 99.99% tested within a 20m³ area Sterilization rate for bacteria in the air : ≥95% tested within a 10m³ area



For Homes & Businesses

Designed to keep everyone safe as businesses get back to normal under these unprecedented times, the LAS302 Smart Air Purifier + Sterilizer will ensure all allergies, pollutants, waste, bacteria and viruses are kept at bay with a 99.99% clean rate for indoor air.



Tested for Mold

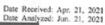
Aspergillus Niger ATCC 16404

Test No. KJ20211258

Date Received: Apr. 21, 2021 Date Analyzed: Jun. 21, 2021

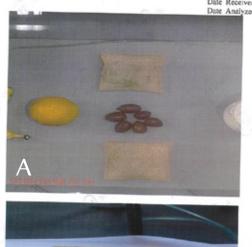
GUANG ZHOU INSTITUTE OF MICROBIOLOGY CO., LTD. TEST REPORT

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Fresh Test

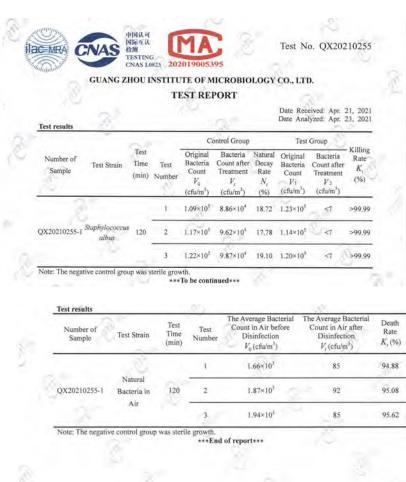
- Test Strains: Aspergillus niger ATCC 16404 Materials: banana, orange, tornato, bread, milk Test Procedure
- cal 1m³ test cha 1) Prepare two identical 1m³ test of and A cup of milk respectively. nbers A and B, and put one po on of ba
- 2)
- The test chamber A without the sample was used as the control group. The test chamber B with the sample turned on for a long time was used as the test group. An appropriate amount of mold aerosol was sprayed into the chamber every day for 5 consecutive days, and the appearance changes of food in chamber A and B were recorded respectively every day. ***To be continued*** 31
- - A. Food on day 5 develops mold; test chamber does not have LAS302
 - B. Food on day 5 remains the same; test chamber has installed LAS302 sterilizer





***End of ren

Certification





GUANGDONG DETECTION CENTER OF MICROBIOLOGY

ANALYSIS AND TEST RESULT

Virus and host cell	Action Time	Serial Number	Air virus content (TCID ₅₀ /m ³)	Killing rate (%)
HINI Influenza virus (A/PR/8/34) Host cell: MDCK	0 (CK)	1	1.73×10 ⁶	-
		2	2.44×10 ⁶	
		3	1.94×10 ⁶	-
	lh	1	<97.3	>99.99
		2	<97.3	>99.99
		3	<97.3	>99.99

te: The natural decay of the microorganisms in the air has been eliminated.



Specifications

Rated voltage:	24V			
Rated power:	45W			
Standby power:	0.3W			
SPL:	<66dB(A)			
Particle Clean Air Delivery Rate (CADR particulate matter): 310m ³ /h				
Particle Cumulate Clean Mass (CCM particulate matter):	P4 level			
Particle purification efficiency:	high efficient level			
Elimination rate of bacteria:	≥95%			
Sterilization rate of staphylococcus albus:	≥99.99%			





Official Member

International Society of Indoor Air Quality and Climate (ISIAQ) • European Ventilation Hygiene Association (EVHA) • National Air Duct Cleaners Association (NADCA) • International Council on Ventilation Hygiene (ICVH)• International Federation of Hospital Engineering (IFHE) Federation of European Heating and Air Conditioning Association (REHVA) • American Society for Healthcare Engineering (ASHE)

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