Neue Tests zeigen, dass ActivePure 99,9% des durch die Luft übertragenen COVID-19-Virus in weniger als 60 Sekunden eliminiert

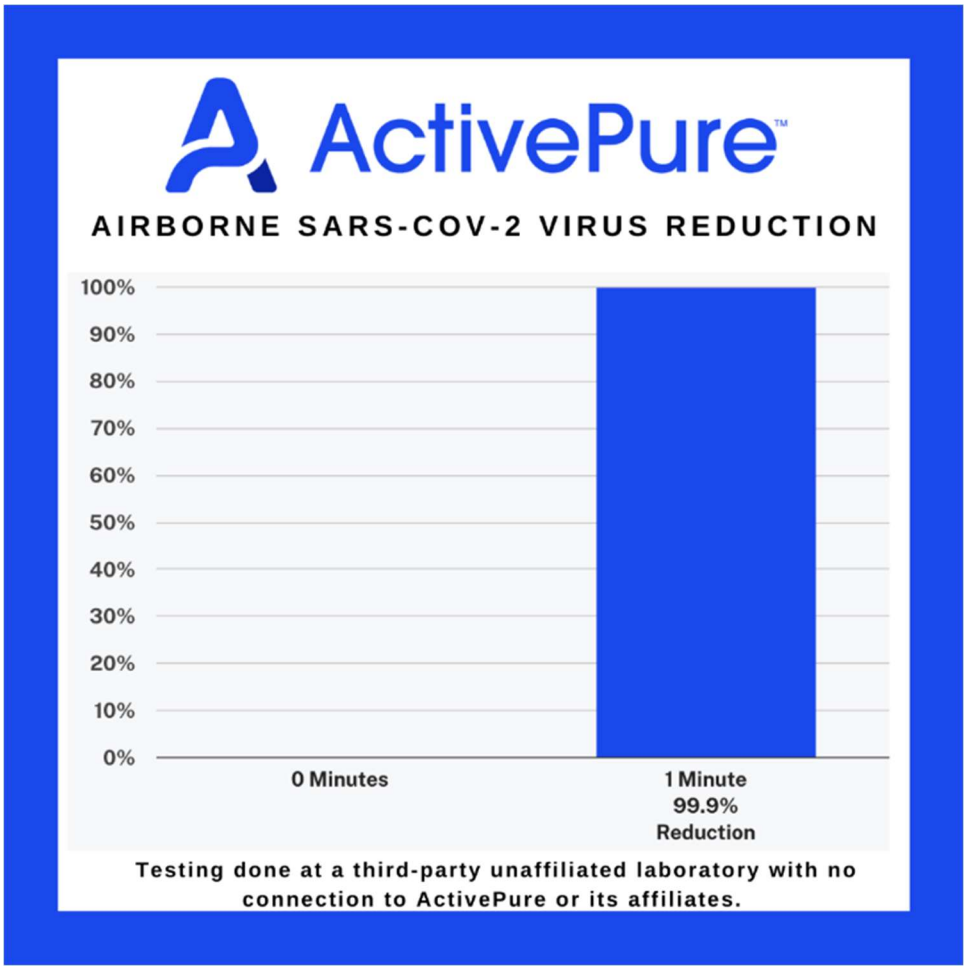
Dienstag, 8. März 2022 12:50

ActivePure-Technologie

Ein echter Game Changer!

Bahnbrechende Technologie neutralisiert aktiv Oberflächen- und Lufterreger wie SARS-CoV-2

DALLAS, TX / ACCESSWIRE / 8. März 2022 / Neue unabhängige Tests, die von der University of Texas Medical Branch (UTMB), einer der weltweit führenden Testeinrichtungen für biologische Sicherheit, durchgeführt wurden, zeigen, dass die ActivePure-Technologie über 99,9% des hochkonzentrierten sarS-CoV-2-Virus in der Luft - das Virus, das COVID-19 verursacht - in einer geschlossenen Umgebung in einer 60-sekündigen Testphase unter nachweisbare Werte inaktiviert hat. Diese jüngste Testrunde zeigt definitiv, dass die Technologie noch schneller arbeitet als bisher angegeben. Die Reinigungstechnologie von ActivePure bietet eine 24/7 umfassende Luft- und Flächendesinfektion durch Deaktivierung von Krankheitserregern in der Luft und auf Oberflächen.



Im Jahr 2020 nach dem ersten UTMB-Test sagte Dr. William S. Lawrence, Ph.D., Direktor des Aerobiology Service Center am Galveston National Laboratory des UTMB: "Diese Ergebnisse zeigen deutlich die Wirksamkeit dieser Technologie in einer Laborumgebung." Mit den neuesten Testergebnissen von ActivePure sagte er: "Wichtig ist, dass das Gerät auch nach nur einer Minute schon ein sehr hohes Maß an Inaktivierung zeigt."

Im Zuge der Pandemie hat sich ActivePure weltweit zur Luftreinigungslösung der Wahl für gewerbliche, private, pädagogische und medizinische Umgebungen entwickelt, in denen effizient gereinigte Luft und Oberflächen benötigt werden. Während ActivePure seit über zehn Jahren als Luftreiniger auf dem weltweiten Einzelhandelsmarkt tätig ist, hat sich seine kommerzielle Nutzung während der Pandemie durchgesetzt.

"Zusätzlich zu unseren unabhängigen Testdaten verfügen wir über reale Daten, die speziell untersuchen, wie sich die Ergebnisse unserer Kunden auf der Grundlage von ActivePure verbessert haben, was die Wirksamkeit unserer Technologie weiter demonstriert", sagte Joe Urso, Chairman und CEO von ActivePure Technologies, LLC. "Wenn es um SARS-CoV-2 geht, wissen wir, dass mehrschichtige Schutzstrategien am besten funktionieren, um Krankheiten zu lindern und die Personen zu schützen. ActivePure ist zu einem wichtigen Bestandteil dieses vielschichtigen Ansatzes geworden."

Die Tests wurden in dreifacher Ausfertigung durchgeführt. Um die Wirksamkeit von ActivePure zu bestimmen, wurde das lebende SARS-CoV-2-Virus in extrem hohen Konzentrationen (7+ Logs oder über 10 Millionen Partikel pro Milliliter) in eine Testkammer gesprüht. In weniger als 60 Sekunden inaktivierte die Luftreinigung und -desinfektion, das Gerät wurde auf die niedrigste Stufe eingestellt, die Konzentration des Virus unter die nachweisbaren Grenzen von 1,6 Protokollen, eine Reduktion von 99,57 bis > = 99,83%, aber die Gesamtnettoreduktion überstieg wahrscheinlich 99,99%, da wie beschrieben keine Viren mehr nachgewiesen werden konnten. Die Testläufe verwendeten nur ActivePure; Alle anderen Reinigungstechnologien, die im Testlabor verfügbar waren, wurden deaktiviert oder entfernt.

ActivePure wurde in den letzten 27 Jahren entwickelt und hat das, was natürlich im Freien passiert, erfolgreich an Innenräume angepasst. ActivePure ist eine aktive Reinigungstechnologie, die eine erweiterte Form der Fotokatalyse verwendet. Diese fortschrittliche Fotokatalyse-Technologie ahmt den organischen Prozess der Fotolyse nach - bei diesem Prozess wird die Luft gereinigt, wenn Sonnenlicht mit Feuchtigkeit interagiert und oxidative Moleküle erzeugt. ActivePure bringt dieses atmosphärische Reinigungsphänomen in Innenräume, so dass die oxidierenden Partikel Viren, Schimmel und Bakterien in der Luft und auf Oberflächen neutralisieren können.

Diese einzigartige Technologie ist ein wirklicher Game-Changer, da sie oberflächen- und luftgetragene Krankheitserreger (einschließlich SARS-CoV-2) aktiv neutralisiert, ohne Chemikalien, Ozon und ohne die Notwendigkeit, Verunreinigungen einzufangen oder zu filtern.

Darüber hinaus laufen ActivePure-Einheiten 24/7 und können leicht zu einer kundenspezifischen Lösung kombiniert werden, die den individuellen Anforderungen bestimmter Räume gerecht wird.

ÜBER ACTIVEPURE

Das in Privatbesitz befindliche Unternehmen ActivePure ist seit 1924 der weltweit führende Anbieter von aktiven, kontinuierlichen Oberflächen- und Luftdesinfektionssystemen für Gesundheits- und Bildungseinrichtungen, gewerbliche und öffentliche Einrichtungen, das Gastgewerbe und Wohnanwendungen. Die patentierte ActivePure-Technologie hat sich in unabhängigen Universitäts- und Labortests bewährt, um Verunreinigungen in Innenräumen effektiv zu kontrollieren und zu neutralisieren. Es ist das einzige Produkt seiner Klasse, das von der Space Foundation als Certified Space Technology anerkannt und in die Space Foundation Hall of Fame aufgenommen wurde. Darüber hinaus ist der ActivePure Medical Guardian als FDA-Medizinprodukt der Klasse II registriert und zugelassen.

ActivePure wurde für den Einsatz in der Weltraumforschung entwickelt und hat sich seitdem für den Einsatz in kommerziellen und Verbraucherprodukten entwickelt, die verwendet werden, um die Exposition gegenüber Krankheitserregern, einschließlich RNA- und DNA-Viren, Bakterien und Schimmelpilzen, in der Luft und auf Oberflächen, um bis zu 99,9% zu reduzieren.

MEDIENKONTAKTE Deutschland:
ENILUX GmbH
Uwe Jansen
Julius-Hatry-Str. 1
68163 Mannheim
www.enilux.de
info@enilux.de
0621-3973 2285
QUELLE: ActivePure®, Dallas, TX, USA; Übersetzung: ENILUX GmbH, Mannheim

Prüfungen/Tests

- University of Texas - Medical Branch (UTMB)
- UNE Spanish Association for Standardization and Certification (AENOR)
- DMT GmbH (TÜV NORD GRUPPE)
- MRI Global, Kansas City
- Danish Technological Institute

Aerus Pure & Clean Unit with ActivePure® Technology
Testing Airborne SARS-CoV-2 Virus Reduction

Executive Summary

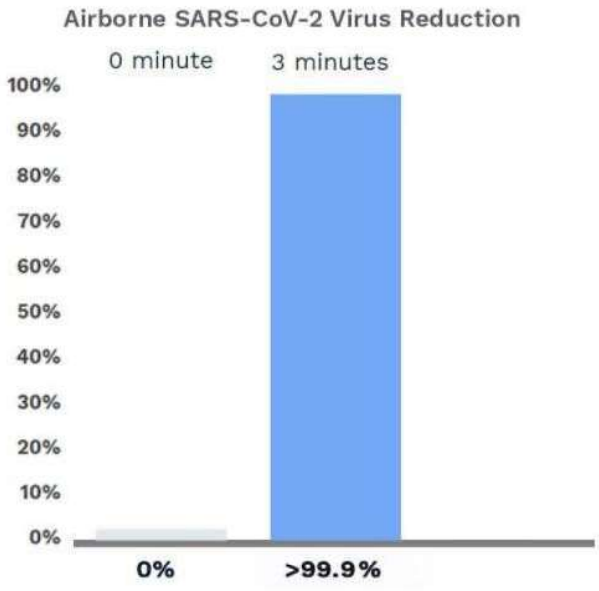
The Aerus technology inactivated airborne SARS-CoV-2 to undetectable levels. The results show that, when accounting for the LLD, the percent reduction in virus was ≥99.87 to ≥99.96%; however, since no virus was detected after using the experimental device, the true percent reduction was likely greater than 99.99% in every case.

The true net reduction could not be determined due to the LLD of the quantitation assay, but this too was likely greater than 99.99%.

Report Prepared and Submitted by:

William S. Lawrence,
Ph.D. Assistant Professor,
Microbiology & Immunology
University of Texas Medical Branch (UTMB)

Jennifer E. Peel,
B.S. Senior Research Associate,
Microbiology & Immunology
University of Texas Medical Branch (UTMB)



NEW PURE & CLEAN UNIT TESTING
Testing done at UTMB BSL Level 3 Lab with assistance from BSL Level 4 Lab, complying with FDA protocols in a FDA Certified Compliant Laboratory.

Beyond Guardian Air and Pure & Clean Units with ActivePure® Technology Tested – No Ozone

DANISH TECHNOLOGICAL INSTITUTE

Executive Summary

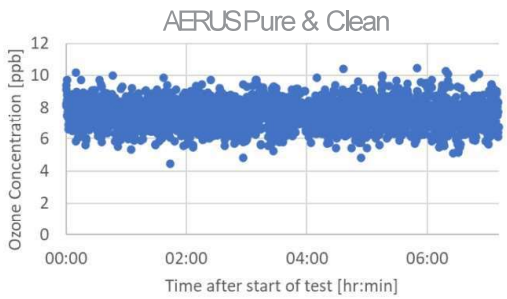
Danish Technological Institute assess that neither of the tested Air Purification Systems give rise to ozone accumulation.

The background ozone concentration in the test chamber was measured to 7±2 ppb prior to the tests.

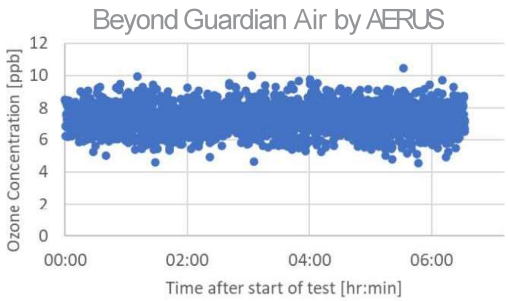
The ozone concentration was continuously measured with a Teledyne API Ozone Analyzer model 430. The instrument can measure ozone concentration in the range from 0 - 20 000 ppb (20 ppm) with a precision of 0.5 ppb and a lower detection limit of 2 ppb. The measurement was performed with time resolution of 10 seconds.

Report Prepared and Submitted by:
Teknologist Institut
Bioengineering and Environmental Technology

Author: Stig Koust Hansen, Ph.D., Consultant
Quality Assurance:
Thomas Nørregaard Jensen Consultant



Ozone concentration measured in test chamber during test of AERUS PURE & CLEAN with ActivePure



Ozone concentration measured in test chamber during test of BEYOND GUARDIAN AIR BY AERUS with ActivePure

The full testing procedures and results are presented in Reportno. 946792

ActivePure

CONFIDENTIAL & PROPRIETARY INFORMATION - NOT FOR REDISTRIBUTION

Verification of the Effectiveness of ActivePure® Technology in Decontamination of Sars-CoV-2 on Surfaces

This final report was prepared at MRIGlobal (MRIGlobal) for the work performed under MRIGlobal Task No. 311624.01.001, "Verification of the Effectiveness of ActivePure® Technology in Decontamination of SARS-CoV-2"

Test devices were supplied to MRIGlobal by Aerus, LLC for the conduct of the program. The experimental phase of this task was initiated by MRIGlobal on May 18, 2020 and ended on June 19, 2020.

The Study Director of the program was Rick Tuttle. Execution of the study was assisted by Carl Gelhaus, Ph.D., Luca Popescu, Ph.D., Kristen Solocinski, Ph.D., Sam Humphries, and managed by William Sosna.

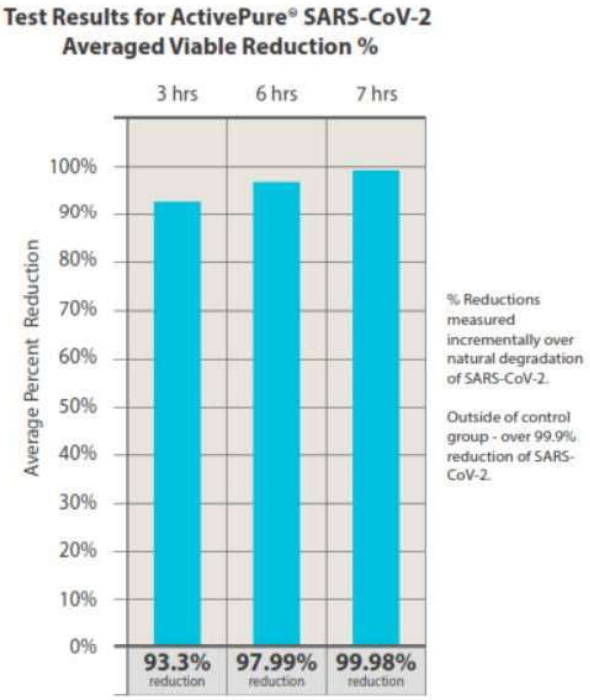
The studies were performed in compliance with MRIGlobal QA procedures. All operations pertaining to this study, unless specifically defined in this protocol, were performed according to the Standard Operating Procedures of MRIGlobal or approved laboratory procedures, and any deviations were documented.

Approved by:

Ed Sistrunk
Division Director
Medical Countermeasures

MRIGlobal

Rick Tuttle
Study Director



CONFIDENTIAL & PROPRIETARY INFORMATION - NOT FOR REDISTRIBUTION

The Spanish Association for Standardization and Certification (UNE) has tested the air purifier Beyond Guardian Air by Aerus with ActivePure® Technology, for its efficiency to reduce the concentration of bacteria on surfaces.

AENOR
Confía ISO/IEC 17025 LAB

Declaration of tests and assessments

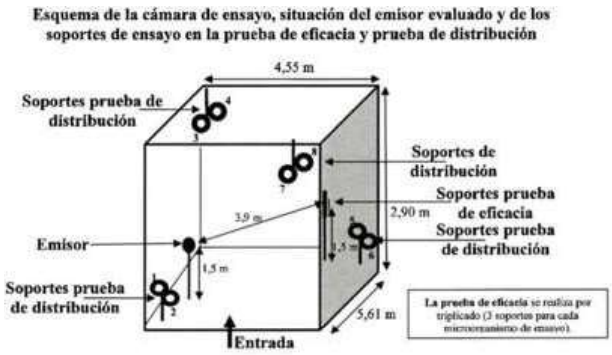
The Spanish Association for Standardization and Certification has tested the air purifier Beyond Guardian Air by Aerus for both its capacity of distribution and the efficiency to reduce the concentration of bacteria, using the Euro Norm 17272-2020.

The test was conducted with the air purifier unit installed in a 4.55 m x 5.61 m room. The efficiency of the air purifier was tested by a method where several petri dishes were placed around the room. The Beyond Guardian Air is turned on and the testing on the petri dish samples takes place for a period of 24 hours.

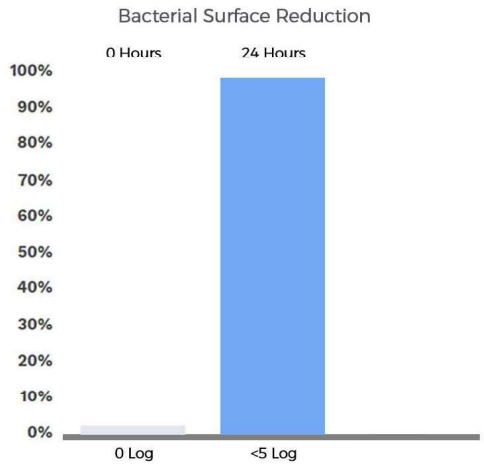
The efficiency and distribution of the Beyond Guardian Air, according to both tests was declared as more than 5log.

Prepared by:
The Spanish Association for Standardization and Certification
AENOR
UNE

Author: Miguel Yuste



Using Euro Norm 17272-2020



ActivePure

CONFIDENTIAL & PROPRIETARY INFORMATION - NOT FOR REDISTRIBUTION

The Spanish Association for Standardization and Certification (UNE) has tested the air purifier Beyond Guardian Air by Aerus with ActivePure® Technology, for its efficiency to reduce the concentration of fungi on surfaces.

AENOR
Confía ISO/IEC 17025 LAB

Declaration of tests and assessments

The Spanish Association for Standardization and Certification has tested the air purifier Beyond Guardian Air by Aerus for both its capacity of distribution and the efficiency to reduce the concentration of fungi, using the Euro Norm 17272-2020.

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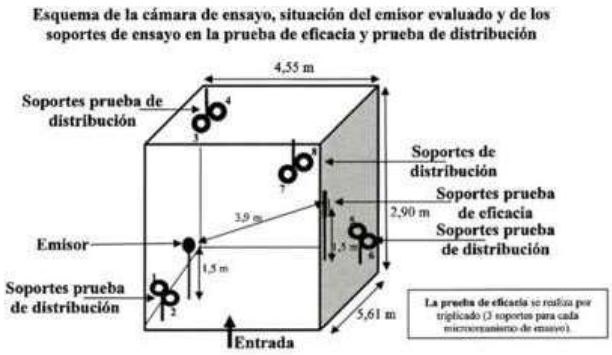
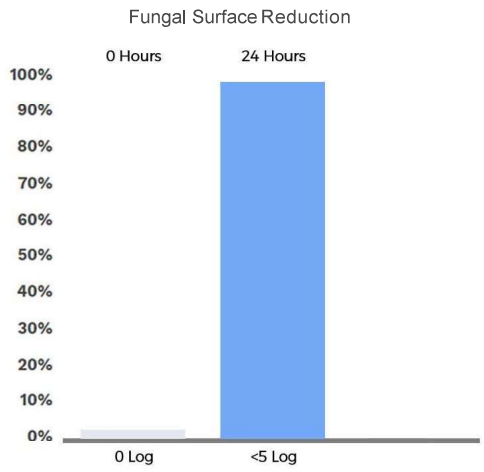


Using Euro Norm 17272-2020



ActivePure

CONFIDENTIAL & PROPRIETARY INFORMATION - NOT FOR REDISTRIBUTION

Test Certificate for MPPS and Filter grade model "HEPA Guardian Air Filter – Part No. 49457"

Executive Summary

The tested filter model "HEPA Guardian Air Filter - Part No. 49457" has to be classified according ISO 16890-1 on base of the average fractional efficiency determined in new and in discharged condition as

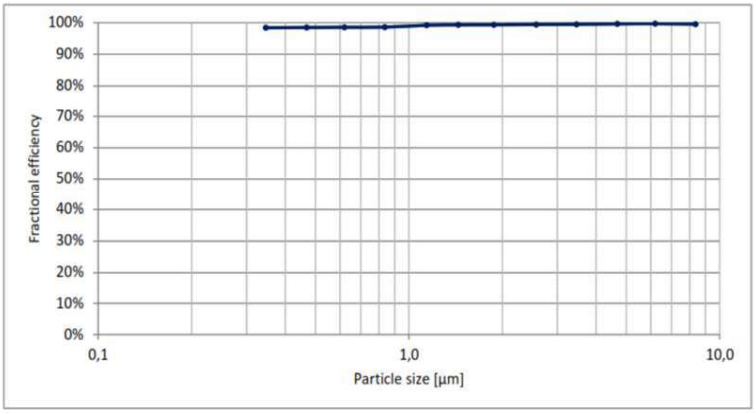
„ISO ePM10 85%"

Obviously, the filter medium is strongly electrically charged. Separation performance decreases significantly after discharging procedure of the filter element in isopropanol vapor. Without this requirement to discharge synthetic filter media the filter element would be filter class E11 according EN 1822-1 or ISO 15E acc . ISO 29463-1:2017.

Prepared by:
DMT GmbH & Co. KG

Author:
Dr. Dirk Renschen
Johannes Schamberg

Fractional Efficiency by Particle size



NOTE: The results of this test relate only to the test devise in the conditions stated herein. The performance results cannot by themselves be quantitatively applied to predict filtration performance in all "real life" environments.

classified according ISO 16890-1
DIN EN ISO 9001 ZERTIFIZIERT

DIN EN ISO 9001 zertifiziert

ActivePure

CONFIDENTIAL & PROPRIETARY INFORMATION - NOT FOR REDISTRIBUTION

Danish Technological Institute has tested the viral inactivation efficiency of Beyond Guardian Air by Aerus with ActivePure® Technology on aerosolized MS2 bacteriophage, a positive-stranded RNA virus

DANISH TECHNOLOGICAL INSTITUTE

Declaration of test and assessment

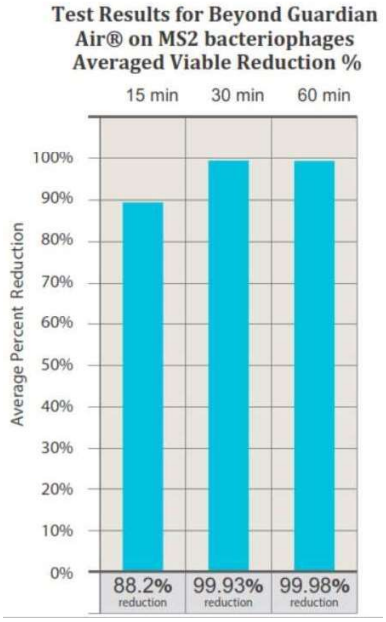
The purpose of the test is to determine the efficiency of the air purifier to reduce the concentration active of aerosolized MS2 bacteriophages using a modifies ISO 1600-36-2018 method. The tested air purifier is a Beyond Guardian Air by Aerus.

The significant and consistent difference between the Natural decay test and the Product test clearly shows a reduction of the concentration of active and airborne MS2 caused by the air purifier.

The measured decay of the concentration of active MS2 during the tests is attributed to a natural decay of the aerosol and an attribution of the air purifier. The determine attribution of the air purifier is >99.99% reduction in the 20 m3 room withing 30 minutes. In addition, the calculated half time for active MS2 is determined to be 2.8 minutes.

Report Prepared and Submitted by:
Teknologist Institut
Bioengineering and Environmental Technology

Author: Stig Koust Hansen, Ph.D., Consultant
Quality Assurance: Caster Laur Byg, Specialist



The full testing procedures and results are presented in report no. 956985
Using ISO 16000-36:2018 method

ActivePure

CONFIDENTIAL & PROPRIETARY INFORMATION - NOT FOR REDISTRIBUTION

Danish Technological Institute has tested the air purifier Beyond Guardian Air by Aerus with ActivePure® Technology, for its efficiency to reduce the concentration of particles and volatile organic compounds from cigarette smoke

DANISH TECHNOLOGICAL INSTITUTE

Declaration of test and assessment

Danish Technological Institute has tested the air purifier Beyond Guardian Air by Aerus, for its efficiency to reduce the concentration of particles and volatile organic compounds (VOC) from cigarette smoke using a modified ANSI/AHAM AC-1-2015 method.

The test was conducted with the air purifier unit installed in a 20 m3 sealed room. The efficiency of the air purifier was tested by a method, where particles and VOC were generated through a smoking phase consisting of sequential smoking of three cigarettes using a smoking robot over a period of 20-25 minutes. The smoking phase is immediately followed by a 10-minute period where the cigarette smoke is mixed, before the air purifier is turned on. This marks the beginning of the 30-minutes Product Test period.

The rate of reduction of the particles and VOC was determined as the difference between a reference experiment designed to measure the natural decay rate and reduction rate measure during the use of the Beyond Guardian Air.

Report Prepared and Submitted by:
Teknologist Institut
Bioengineering and Environmental Technology

Author: Stig Koust Hansen, Ph.D., Consultant
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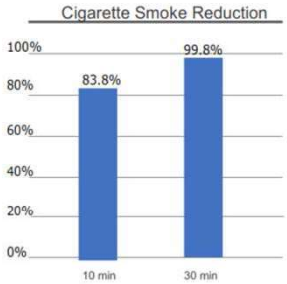

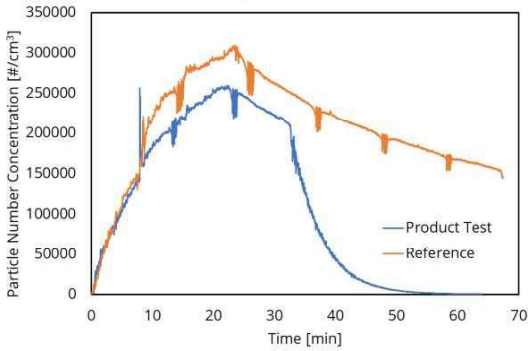

Particle Number concentration measured over time. The smoke phase occurs during the initial 25 minutes, which is followed by a 10-minute mixing period. Hereafter the air purifier is turned on (only for product test) for 30 minutes.

ActivePure

CONFIDENTIAL & PROPRIETARY INFORMATION - NOT FOR REDISTRIBUTION

Danish Technological Institute has tested the air purifier Beyond Guardian Air by Aerus with ActivePure® Technology, for its efficiency to reduce the concentration of particles and volatile organic compounds from cigarette smoke

DANISH
TECHNOLOGICAL
INSTITUTE

Declaration oftest and assessment

Danish Technological Institute has tested the air purifier Beyond Guardian Air by Aerus, for its efficiency to reduce the concentration of particles and volatile organic compounds (VOC) from cigarette smoke using a modified ANSI/AHAM AC-1-2015 method.

The test was conducted with the air purifier unit installed in a 20 m3 sealed room. The efficiency of the air purifier was tested by a method, where particles and VOC were generated through a smoking phase consisting of sequential smoking of three cigarettes using a smoking robot over a period of 20-25 minutes. The smoking phase is immediately followed by a 10-minute period where the cigarette smoke is mixed,
before the air purifier is turned on. This marks the beginning of the 30-minutes Product Test period.

The rate of reduction of the particles and VOC was determined as the difference between a reference experiment designed to measure the natural decay rate and reduction rate measure during the use of the Beyond Guardian Air.

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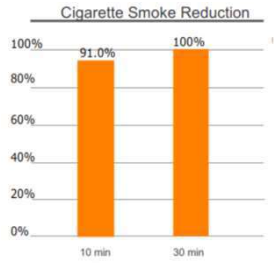

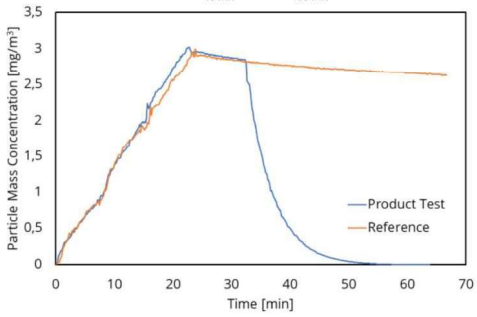

Particle Mass concentration measured over time. The smoke phase occurs during the initial 25 minutes, which is followed by a 10-minute mixing period. Hereafter the air purifier is turned on (only for product test) for 30 minutes.

using ANSI/AHAM AC-1-2015 method
The full testing procedures and results are presented in report no. 956985

ActivePure

CONFIDENTIAL & PROPRIETARY INFORMATION - NOT FOR REDISTRIBUTION

Danish Technological Institute has tested the air purifier Beyond Guardian Air by Aerus with ActivePure® Technology, for its efficiency to reduce the concentration of particles and volatile organic compounds from cigarette smoke

DANISH
TECHNOLOGICAL
INSTITUTE

Declaration of test and assessment

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The rate of reduction of the particles and VOC was determined as the difference between a reference experiment designed to measure the natural decay rate and reduction rate measure during the use of the Beyond Guardian Air. The concentrations of particles and VOC were measured continuously with a time resolution of 10 seconds. We have previously preformed proton transfer reaction mass spectrometry on cigarette smoke and found high concentrations of acetaldehyde, formaldehyde and various fragments of acetic acid the FDA list 33 different VOCs in mainstream cigarette smoke.

Report Prepared and Submitted by:
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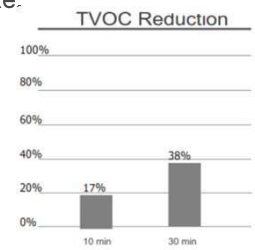
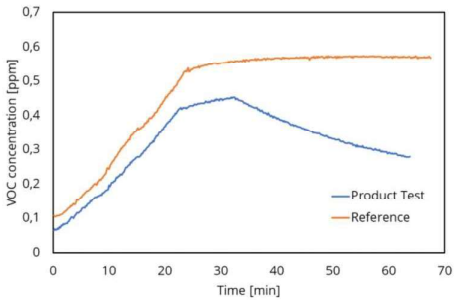
Bioengineering and Environmental Technology

Author: Stig Koust Hansen, Ph.D., Consultant
Quality Assurance: Caster Laur Byg, Specialist





VOC concentration measured over time. The smoke phase occurs during the initial 25 minutes, whish is followed by a 10-minute mixing period. Hereafter the air purifier is turned on (only for product test) for 30 minutes

using ANSI/AHAM AC-1-2015 method
The full testing procedures and results are presented in report no. 956985

ActivePure

CONFIDENTIAL & PROPRIETARY INFORMATION - NOT FOR REDISTRIBUTION

Zertifikate

ActivePure TECHNOLOGY

CE Declaration of Conformity

We, on behalf of Aerus LLC.
14841 Dallas Parkway
The Aberdeen Bldg, Suite 500
Dallas, Texas 75254
USA

And in accordance with the following Directive(s):

EMC Directive	89/336/EEC as amended by Council Directive 93/68/EEC
RoHS Directive	2002/95/EC
WEEE Directive	2002/96/EC

hereby declare that the Portable Air Purification System:

Product Name	Aerus Mobile
Model Number:	A1018D

is in conformity with the applicable requirements of the following standards:

EN61000-3-2:2004	Electromagnetic compatibility
EN61000-3-3:2002	Electromagnetic compatibility
EN61000-4-2:2001	Electromagnetic compatibility
EN61000-4-3:2002	Electromagnetic compatibility
EN61000-4-4:2004	Electrical fast transients and bursts
EN61000-4-5:2001	Surge test
EN61000-4-6:2004	Conducted immunity
EN61000-4-11:2003	Voltage dips, short interruptions and voltage variations immunity test
FCC Part 18	Conducted Emissions
FCC Part 18	Radiated Emissions

I hereby declare that the product named above has been designed and manufactured to comply with the relevant sections of the above referenced standards. The product complies with applicable requirements of the Directives.

Lab Technician: Jamie Davis Jamie Davis

Reviewed and Approved by:

Name: Andrew Eide

Signature:

Title: Vice President, Product Development and Manufacturing

Company: ActivePure Technology LLC
14841 Dallas Parkway
The Aberdeen Bldg, Suite 500
Dallas, Texas 75254 USA
Date: 01 March 2021

AERUS

14841 Dallas Parkway
Suite 500, The Aberdeen Bldg.
Dallas, Texas 75254 USA

RoHS(2) Certificate of Compliance

Restriction of the use of certain Hazardous Substances

European Union Directives 2002/95/EC and 2011/65/EU, restricts the use of the hazardous substances listed below in electrical and electronic equipment

For these purposes, the maximum concentration values of the restricted by weight are:

Substance	Maximum Limit (ppm)
Cadmium (Cd)	100
Lead (Pb)	1000*
Mercury (Hg)	1000
Hexavalent Chromium (Cr6+)	1000
Poly Brominated Biphenyls (PBB)	1000
Poly Brominated Diphenyl Ethers (PBDE)	1000

*Maximum limit (ppm) on Lead (Pb) does not apply to applications for which exemptions have been granted by the RoHS Directive

Based on the information provided by our suppliers, and to the best of our knowledge, **Aerus** designates that the following products, are RoHS Compliant and conform to the stated EU Restrictions of the use of Hazardous Substances (RoHS).

- Lux Guardian Air Platinum
- Beyond Guardian Air
  (Models F1598, D,E,F,G)

Confirmation of compliance status by our suppliers is either because the products do not contain any of the restricted substances referred to in Article 4(1) of the RoHS Directive at concentrations in excess of those permitted under the RoHS Directive or because removal of the restricted substances is not technically possible and their existence in the products at levels in excess of these concentrations is allowed as one of the particular applications listed in the Annex to the RoHS Directive.

To the best of our knowledge, none of our suppliers use these banned substances to manufacture their products. Our statements in this letter regarding RoHS compliance and lead content do not extend to, or apply to any product subjected to unintended contamination, misuse, neglect, accident, or improper installation.

Andrew Eide
VP, Product Development & Manufacturing

AERUS

CE Declaration of Conformity

We, on behalf of Aerus LLC
300 East Valley Drive
Bristol, VA 24201
USA

And in accordance with the following Directive(s):

Low Voltage Directive	2014/35/EU
EMC Directive	2014/30/EU

hereby declare that the Air Purification System:

Product Name	Aerus Pure and Clean
Model(s):	A1040A
Rating:	100-240 VAC 50/60 Hz

is in conformity with the applicable requirements of the following standards:

EN55014 -1: 2017: Electromagnetic compatibility required for household appliances, electric tools and similar apparatus – Part 1 Emissions
EN55014 -2: 2015: Electromagnetic compatibility required for household appliances, electric tools and similar apparatus – Part Immunity
EN61000-3-2:2014: Limits for harmonic current emissions
EN61000-3-3:2013: Limits for harmonic current emissions

I hereby declare that the product named above has been designed and manufactured to comply with the relevant sections of the above referenced standards. The product complies with applicable requirements of the Directives.

Lab Manager: Jamie Davis Jamie Davis

Reviewed and Approved: Andrew Eide

Signature:

Title: Vice President, Product Development and Manufacturing

Company: Aerus LLC
14841 Dallas Parkway
The Aberdeen Bldg., Suite 500
Dallas, Texas 75254 USA

Date: 4 February 2021

AERUS

14841 Dallas Parkway
Suite 500, The Aberdeen Bldg.
Dallas, Texas 75254 USA

RoHS Certificate of Compliance

Restriction of the use of certain Hazardous Substances

European Union Directives 2002/95/EC and 2011/65/EU, restricts the use of the hazardous substances listed below in electrical and electronic equipment

For these purposes, the maximum concentration values of the restricted by weight are:

Substance	Maximum Limit (ppm)
Cadmium (Cd)	100
Lead (Pb)	1000*
Mercury (Hg)	1000
Hexavalent Chromium (Cr6+)	1000
Poly Brominated Biphenyls (PBB)	1000
Poly Brominated Diphenyl Ethers (PBDE)	1000

*Maximum limit (ppm) on Lead (Pb) does not apply to applications for which exemptions have been granted by the RoHS Directive

Based on the information provided by our supplier, and to the best of our knowledge, **Aerus LLC** designates that the products, **Aerus Pure & Clean model A1040A and Aerus Pure & Clean + model A1041A** are RoHS Compliant and conform to the EU Restrictions of the use of Hazardous Substances (RoHS).

Confirmation of compliance status by our supplier is either because the product does not contain any of the restricted substances referred to in Article 4(1) of the RoHS Directive at concentrations in excess of those permitted under the RoHS Directive or because removal of the restricted substances is not technically possible and their existence in the products at levels in excess of these concentrations is allowed as one of the particular applications listed in the Annex to the RoHS Directive.

To the best of our knowledge, our supplier does not use these banned substances to manufacture their products. Our statements in this letter regarding RoHS compliance and lead content do not extend to, or apply to any product subjected to unintended contamination, misuse, neglect, accident, or improper installation.

Andrew Eide
VP, Product Development & Manufacturing

CE Declaration of Conformity

We, on behalf of Aerus LLC
300 East Valley Drive
Bristol, VA 24201
USA

And in accordance with the following Directive(s):

Low Voltage Directive 2014/35/EU
EMC Directive 2014/30/EU

hereby declare that the Air Purification System:

Product Name Beyond Guardian Air
Model(s): F155F
Rating: 220/240 VAC50/60 Hz, 70 watts

is in conformity with the applicable requirements of the following standards:

EN60335-1: 2012: +A13:2017 Household and similar electrical appliances – Safety, Part 1: General requirements
EN60335-2-65 Ed.2.2, B:2015 : Household and similar electrical appliances– Safety, Part 2-65: Particular requirements for air cleaning appliances
EN55014 -1: 2017: Electromagnetic compatibility required for household appliances, electric tools and similar apparatus – Part 1 Emissions
EN55014 -2: 2015: Electromagnetic compatibility required for household appliances, electric tools and similar apparatus – Part Immunity

I hereby declare that the product named above has been designed and manufactured to comply with the relevant sections of the above referenced standards. The product complies with applicable requirements of the Directives.

Lab Manager: Jamie Davis Jamie Davis

Reviewed and Approved: Andrew Eide

Signature:

Title: Vice President, Product Development and Manufacturing
Company: Aerus LLC
14841 Dallas Parkway
The Aberdeen Bldg., Suite 500
Dallas, Texas 75254 USA
Date: 4 June 2020

CE Declaration of Conformity

We, on behalf of Aerus LLC
300 East Valley Drive
Bristol, VA 24201
USA

And in accordance with the following Directive(s):

Low Voltage Directive 2014/35/EU
EMC Directive 2014/30/EU

hereby declare that the Air Purification System:

Product Name Guardian Angel
Model(s): F179C
Rating: 220/240 VAC50/60 Hz, 22W, class1

is in conformity with the applicable requirements of the following standards:

EN60335-1: 2012: +A13:2017 Household and similar electrical appliances – Safety, Part 1: General requirements
EN60335-2-65 Ed.2.2, B:2015 : Household and similar electrical appliances – Safety, Part 2-65: Particular requirements for air cleaning appliances
EN55014 -1: 2017: Electromagnetic compatibility required for household appliances, electric tools and similar apparatus – Part 1 Emissions
EN55014 -2: 2015: Electromagnetic compatibility required for household appliances, electric tools and similar apparatus – Part Immunity

I hereby declare that the product named above has been designed and manufactured to comply with the relevant sections of the above referenced standards. The product complies with applicable requirements of the Directives.

Lab Manager: Jamie Davis Jamie Davis

Reviewed and Approved: Andrew Eide

Signature:

Title: Vice President, Product Development and Manufacturing
Company: Aerus LLC
14841 Dallas Parkway
The Aberdeen Bldg., Suite 500
Dallas, Texas 75254 USA
Date: 4 June 2020

CE Declaration of Conformity

We, on behalf of Aerus LLC
300 East Valley Drive
Bristol, VA 24201 USA

And in accordance with the following Directive(s):

EMC EN 61000
RoHS Directive 2015/863

hereby declare that the Water Based Cleaning System:

Product Name Name: Laundry Pro 2.0, Euro

is in conformity with the applicable requirements of the following standards:

EN 61000-3-2:2014
EN 61000-3-3:2013
EN 61000-4-3:2008
EN 61000-4-3:2007
EN 61000-4-4:2012
EN 61000-4-5:2014
EN 61000-4-6:2013
EN 61000-4-8:2009
EN 61000-4-11:2004
EN 61000-6-2:2005
EN 61000-6-4:2007

I hereby declare that the product named above has been designed and manufactured to comply with the relevant sections of the above referenced standards. The product complies with applicable requirements of the Directives.

Lab Manager: Lester Wise

Reviewed and Approved by:

Name: Andrew Eide

Signature:
Title: Vice President, Product Development and Manufacturing
Company: Aerus LLC
4100 Alpha Rd, Suite 1100
Dallas, Texas 75244, USA
Date: 09 May 2017