



Providing Better & Safer Protective Solutions



The New Normal

- Covid-19 pandemic has created a new level of awareness of dangers of pathogens around us
- Wearing a mask is the New Normal; We believe that the public will continue to wear a mask even after the pandemic has taken its course. The question on people's mind is which mask to use?
- Our solution is clearly the better choice for everyday use & we will demonstrate why ViroWipe Anti-Viral mask is the right choice





All sorts of masks



Fogging



Can't breathe



Typical Complaints




Risk of touching mask?
NOT ANYMORE!!

NANOCHEMIQS

ViroWipe JS01



Assured Protection
with Unique Nanochemiqs ViroWipe
JS01 Textile Treatment

-  Enhanced Anti-Viral & Anti-Microbial Protection
-  Effective against key virus types: H1N1, H5N1, H7N9, RSV & Human Coronavirus
-  Oekotex Class 1 certified and EPA/BPR (EU-TR) Registered Technology



4 Layered



Splash Resistant



Life 52 Weeks

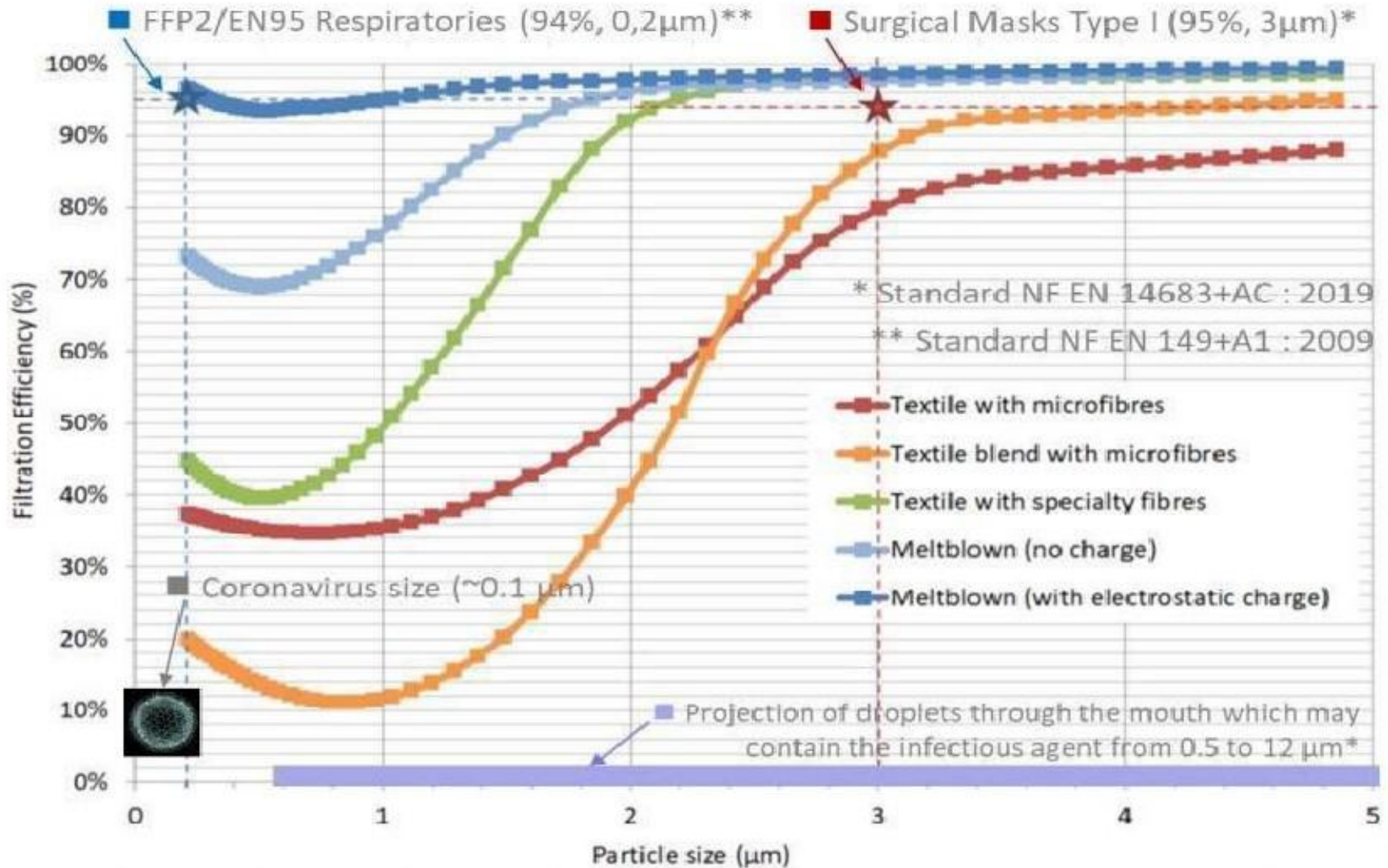


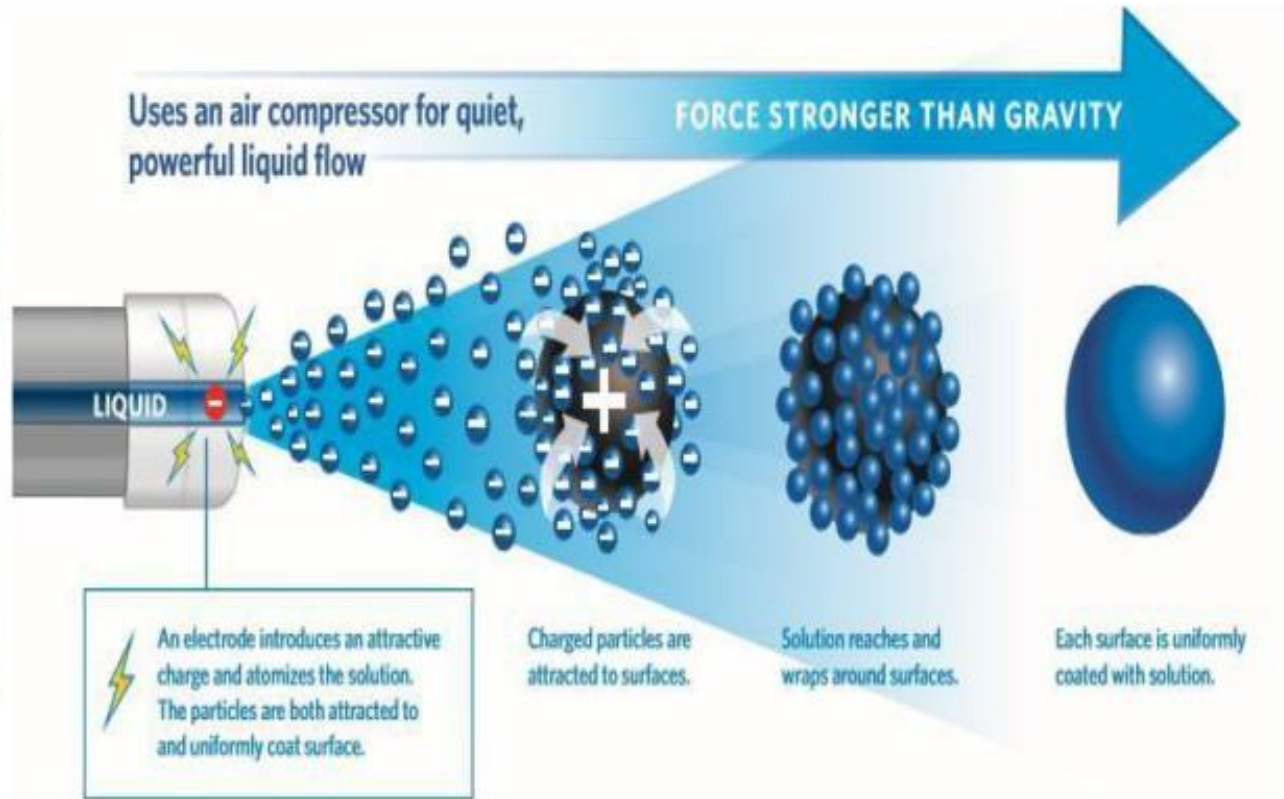
Reusable upto 90 Times

“When we say-
ANTI VIRAL & ANTI BACTERIAL.
It is **TRAP & KILL, BOTH** and
not Just **Filtration**”



Filtration Efficiency vs. Particle Size





Nanotech Protective AntiViral Fabric

ViroWipe Anti-Viral Fabric is manufactured using a special active fiber with embedded nano spikes which **‘trap & physically kill virus & bacteria’**

Unique application of non-metal/non-silver nano embedded particles called **ViroWipe** AntiViral fabric

ViroWipe mask is been designed to effectively reduce virus & bacteria infectivity, upon contact



Why ViroWipe AntiViral Mask



What makes this AntiViral Mask the better Choice?

- 1 Made from special nano active fiber
- 2 Enhanced Anti-Viral & Anti-Microbial Protection
- 3 Proven & Tested to be effective against virus
Human Coronavirus, H1N1, H5N1, H7N9 & RSV
- 4 4 Layer & Splash resistant
- 5 Significant better breathability
- 6 Washable & Reusable Up to 52 Weeks
- 7 Significant cost savings vs 3-ply disposable masks



Proven Effective Against Covid-19...



Test Identification Reference: J001581

ISO 18184:2019

Test information		Deviation
Name of Product	PES/CO UT (Untreated sample) PES/CO sample B : Bi-ome AV 3% PES/CO sample B : Bi-ome AV 3% washed 90	/
Batch Number & Expiry Date	N/3	
Date of Delivery	09/04/2020	
Period of Analysis	15/04/2020-22/04/2020	
Storage Conditions	Ambient	
Appearance of the Product	White cotton	
Neutralisation Method	Dilution	
Product Diluent	N/A	
Test Concentrations	Neat as supplied	
Test Temperature	25°C ± 1°C	
Temperature of Incubation	37°C ± 1°C	
Identification of the Viral Strains:	corona virus,	
Contact Times	2 hours ± 10s	

Test Result Summary

The test fabric (unwashed) showed an overall log reduction of 2.39 when tested against coronavirus with a 2-hour contact time.
The test fabric (washed) showed an overall log reduction of 1.56 when tested against coronavirus with a 2-hour contact time.

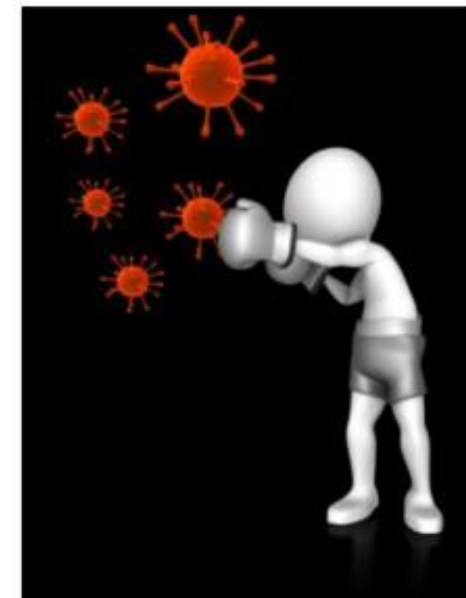
	Feline coronavirus	COVID-19 [SARS—CoV2]
Realm	Riboviria	Riboviria
Order	Nidovirales	Nidovirales
Family	Coronaviridae	Coronaviridae
Genus	Alphacoronavirus	Betacoronavirus
Species	Alphacoronavirus 1	COVID-19

The members of the family Coronaviridae are enveloped and have a positive sense RNA genome. Coronaviruses have a distinct morphology with an outer 'corona' of embedded envelope spikes. These viruses cause a broad spectrum of animal and human disease.

Unwashed sample

Contact time: 2 hour				
Sample	Log recovery	Average	Reduction	Percentage
Control 1	5.00			
Control 2	5.63			
Control 3	5.38	5.33	0.43	82.85%
Test 1	3.50			
Test 2	3.33			
Test 3	3.25	3.37	2.39	99.59%

In tests conducted by Microbiological Solutions Ltd- UK (MSL), ***ViroWipe AntiViral Mask traps & kills 99.59% Covid-19 after 2 hours & host of other viruses***



Strictly Private & Confidential

Comparison to Different Types of Masks.



Understanding the Difference: Face Masks

	N95 Respirator	Surgical Mask	Multilayer Cloth Mask
User	Health Care Workers	Health Care Workers and patients in healthcare settings	General Public
Risk Factor	High Risk Situations	Moderate Risk Situations	Low Risk Situations
Design	Designed to protect the person wearing the mask from aerosols, splatter, sprays, or blood.	Designed for health care workers to stop droplets being spread by the wearer – NOT to protect the wearer from breathing in aerosols.	Designed to contain coughs and sneezes and prevent disease transmission to others – NOT to protect the wearer from breathing in aerosols.
When To Wear	Recommended for use when health care workers care for patients with COVID-19 and performing procedures that put them most at risk of virus exposure.	Recommended for health care providers during single or multiple patient interactions or routine health procedures. Surgical masks are also recommended when N95s are not available.	Recommended for use when a person can't perform social distancing. <ul style="list-style-type: none"> • When coughing or sneezing. • Using public transportation. • Shopping and working at essential businesses like grocery stores and pharmacies.
Fit Testing Required	Yes. Due to the fit, the wearer may find it hard to breathe. These masks are designed only for health care workers who have been fit tested.	No	No Scarves and bandanas can be used if necessary.
Use Limitations	Ideally should be discarded after each patient encounter. Extended use is preferable to reuse. Both are important and viable options when supplies are limited.	Ideally should be discarded after each patient encounter. Extended use is preferable to reuse. Both are important and viable options when supplies are limited.	Cloth Masks: <ul style="list-style-type: none"> • Should be washed after each use. • Should not be worn damp or when wet from spit or mucus.

Facemasks and respirators offer a physical barrier to contact with respiratory droplets and aerosols. When used correctly, masks, along with other preventative measures such as hand washing, and social distancing reduce the risk of SARS-CoV-2 transmission leading to COVID-19 infection.

Comparison to N95 Mask



	Regular N95 Respirator (no gap)	NanoChemiqs ViroWipe Cotton Mask
Certification	NIOSH, ASTM-2259	NIOSH, ASTM-2259, APR-STP-0004, ISO18184, IS9473:2002 CI-5.11
Filtration >300 nm average	99.9 ± 0.1	99.5 ± 0.1
Pressure Drop Delta P (Pa)	2.8	<3.5
Anti-Viral Fabric	NO	Yes
Anti-Bacterial Fabric	NO	Yes
Anti-Odour	NO	Yes
Anti- Bacterial Filtration 3um	Yes	Yes
Splash Resistant	Yes	Yes
Layers	2	4
Recommended hours to wear	6-8	8-10
Wash ability	2-3 times	90 times
Life	2-4 weeks	52 weeks

Multiple Quality & Efficacy Certifications



ZERTIFIKAT ♦ CERTIFICATE ♦ CERTIFICADO ♦ CERTIFICATE



Certificate of Compliance

Herby Declare That the Technical File of Product Complied With the Requirement of The FDA
NANOCHEMIQS PVT. LTD.

REGISTERED ADDRESS:- DDA SHED, THIRD FLOOR, PLOT NO. B-161, OKHLA INDUSTRIAL AREA, PHASE-1, NEW DELHI-110029, INDIA.

Has been assessed and found in as per FDA compliance to the Requirement of standard death delay

for the following scope of activities :-

PRODUCT DESCRIPTION:- ANTI-VIRAL AND ANTI-MICROBIAL PERSONAL PROTECTION EQUIPMENT, SURFACE COATINGS, AIR PURIFICATION FILTERS, WOVEN AND NON WOVEN FABRIC AND GARMENTS, OTHER ACCESSORIES.

The Certification body has performed an audit of the above product quality system covering the design, manufacturing and final inspection of the certified product. The quality system has been assessed, approved and is subject to continuous surveillance according to the This certificate is issued under the following conditions:

1. It applies only to the quality system maintained in the manufacture of above Referenced models and it does not substitute the design or type-examination Procedures, if requested.
 2. The certificate remains valid until the manufacturing conditions of the quality system are changed.
 3. The certificate validity is conditioned by positive results or surveillance audits. The FDA as shown above can be used, under the responsibility of the Manufacturer, after Completion of an FDA Declaration of conformity and Compliance with all relevant.
- The statement is based on a single evaluation of one sample of above Mentioned product. It does not imply an assessment of the whole production.

Certificate No. - 199244
 Surveillance Date :- (25-JUNE-2021)

Registration Date :- (25-JULY-2020)
 Certificate Expiry :- (24-JULY-2023)



[Signature]

Chairman
 Unitas Certification Services



The certificate is valid as long the organization's meet unitas certification services's requirements. The status of the certificate may be checked at www.unitascertificationservices.co.uk

UNITAS CERTIFICATION SERVICES

Head Office : 54 Enverdale Close, Lake, Estate, Bletchley, Milton Keynes, Buckinghamshire, MK2 3DQ UK
 website : www.unitascertificationservices.co.uk / email : info@unitascertificationservices.co.uk

شهادة سERTIFIKA 証明書 CERTIFIKAT

Certificate of Compliance



Herby Declare That the Technical File of Product Complied with the Requirement of
 The Medical Device Directive 93/42/EEC

NANOCHEMIQS PVT. LTD.

HEAD OFFICE:- DDA SHED, THIRD FLOOR, PLOT NO. B-161, OKHLA INDUSTRIAL AREA, PHASE-1, NEW DELHI-110029, INDIA.

MANUFACTURER

PRODUCT: ANTI-VIRAL AND ANTI-MICROBIAL PERSONAL PROTECTION EQUIPMENT, SURFACE COATINGS, AIR PURIFICATION FILTERS, WOVEN AND NON-WOVEN FABRIC AND GARMENTS, OTHER ACCESSORIES.

The Certification body has performed an audit of the above product quality system covering the design, manufacture and final inspection of the certified product. The quality system has been assessed, approved and is subject to continuous surveillance according to The Medical Device Directive 93/42/EEC.

This certificate is issued under the following conditions:

1. It applies only to the quality system maintained in the manufacture of above Referenced models and it does not substitute the design or type-examination Procedures, if requested.
 2. The certificate remains valid until the manufacturing conditions or the quality Systems are changed.
 3. The certificate validity is conditioned by positive results or surveillance audits. The CE mark as shown above can be used, under the responsibility of the Manufacturer, after Completion of an EC Declaration of conformity and Compliance with all relevant EC Directives.
- The statement is based on a single evaluation of one sample of above-Mentioned product. It does not imply an assessment of the whole production.

Certificate No. : 181911451CE

Certificate Issue Date :- 24/07/2020

1st Surveillance Audit Due :- 23/07/2021

Certificate Expiry Date :- 23/07/2023

2nd Surveillance Audit Due :- 23/07/2022



[Signature]
 Auth. Signatory

Validity of this certificate is subject to annual surveillance audits to be done successfully on or before 365 days from date of the audit. (If surveillance audit is not allowed to be conducted, this certificate shall be suspended / withdrawn)

The Validity of this certificate can be verified at www.dgacertifications.com

This certificate of registration remains the property of DGA Certification and shall be returned immediately upon request.

DGA Certification is accredited by UK Accrediting Forum Limited, UK (www.ukaf.org.uk)
 2 Jupiter House, Calvert Park, Aldermaston, Reading Berkshire RG17 9NN UK

India Office : DGA Certification

NZ-4423, Krishna Park, 7thth Nagar, New Delhi-110018, India
 Email: info@dgacertifications.com Website: www.dgacertifications.com

ZERTIFIKAT ♦ CERTIFICATE ♦ CERTIFICADO ♦ CERTIFICATE



Certificate of Registration

This is to certify that

NANOCHEMIQS PVT. LTD.

HEAD OFFICE: DDA SHED, THIRD FLOOR, PLOT NO. B-161, OKHLA INDUSTRIAL AREA, PHASE-I, NEW DELHI-110026, INDIA.

Has been assessed and found in as per ISO 9001:2015 compliance to the Requirement of standard details below.

ISO 9001:2015

(QUALITY MANAGEMENT SYSTEM)

for the following scope of activities :-

MANUFACTURING, TRADING, TREATMENT AND FABRICATION OF ANTI-VIRAL AND ANTI-MICROBIAL PERSONAL PROTECTION EQUIPMENT, SURFACE COATINGS, AIR PURIFICATION FILTERS, WOVEN AND NON WOVEN FABRIC AND GARMENTS, OTHER ACCESSORIES.

This certificate is property of Unitas Certification Services & remains valid subject to Satisfactory surveillance Audit.

Certificate No :- 1238648 Registration Date :- (06-JULY-2020)
Surveillance Date :- (06-JUNE-2021) Certificate Expiry :- (06-JULY-2021)




Chairman
Unitas Certification Services



The certificate is valid as long the organization's meet unitas certification services's requirements.
The status of the certificate may be checked at www.unitascertificationservices.co.uk

UNITAS CERTIFICATION SERVICES

Head Office : 54 Ervendale Close, Lake, Estate, Bletchley, Milton Keynes, Buckinghamshire, MK2 2DQ-UK
website : www.unitascertificationservices.co.uk / email: info@unitascertificationservices.co.uk

ZERTIFIKAT ♦ CERTIFICATE ♦ CERTIFICADO ♦ CERTIFICATE



Certificate of Registration

This is to certify that

NANOCHEMIQS PVT. LTD.

HEAD OFFICE: DDA SHED, THIRD FLOOR, PLOT NO. B-161, OKHLA INDUSTRIAL AREA, PHASE-I, NEW DELHI-110026, INDIA.

Has been assessed and found in as per ISO 13485:2016 compliance to the Requirement of standard details below.

ISO 13485:2016

(MEDICAL DEVICE-QUALITY MANAGEMENT SYSTEM)

for the following scope of activities :-

MANUFACTURING, TRADING, TREATMENT AND FABRICATION OF ANTI-VIRAL AND ANTI-MICROBIAL PERSONAL PROTECTION EQUIPMENT, SURFACE COATINGS, AIR PURIFICATION FILTERS, WOVEN AND NON WOVEN FABRIC AND GARMENTS, OTHER ACCESSORIES.

This certificate is property of Unitas Certification Services & remains valid subject to Satisfactory surveillance Audit.

Certificate No :- 398625 Registration Date :- (06-JULY-2020)
Surveillance Date :- (06-JUNE-2021) Certificate Expiry :- (06-JULY-2021)




Chairman
Unitas Certification Services



The certificate is valid as long the organization's meet unitas certification services's requirements.
The status of the certificate may be checked at www.unitascertificationservices.co.uk

UNITAS CERTIFICATION SERVICES

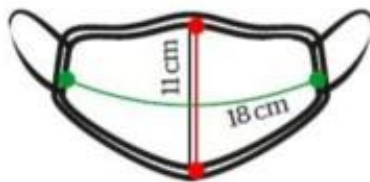
Head Office : 54 Ervendale Close, Lake, Estate, Bletchley, Milton Keynes, Buckinghamshire, MK2 2DQ-UK
website : www.unitascertificationservices.co.uk / email: info@unitascertificationservices.co.uk

Key Take Away Points

1. Highly **breathable**, ideal for extended daily usage e.g. front liners
2. Traps and **kills 99.5% human coronavirus**
3. Washable 90x and reusable 1 year → making it highly **cost effective**

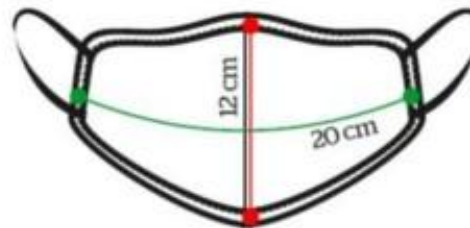
Sizes

Small



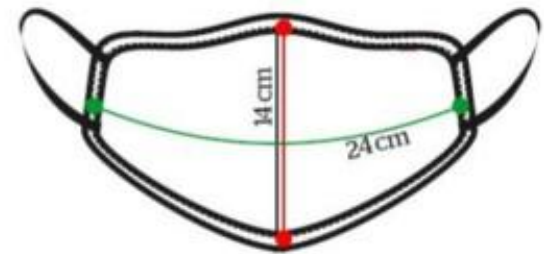
Size (WxH): 18cm x 11cm
Kids & Teens: 20 - 40Kg

Medium



Size (WxH): 20cm x 12cm
Adult: 40 - 70Kg

Large



Size (WxH): 24cm x 14cm
Adult: 70Kg+

- Ear loops are flexible with adjustable beads
- Anti fogging design

Wash once weekly

Don't machine wash



Use normal bathing soap



Use cold tap water



Gentle hand wash



Don't iron

How to Care for the Mask

A single mask can be used for
1 year & washable 90 times

Stay Safe; Stay Protected with ViroWipe

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