

# MEDISPORTSLAB LTD.

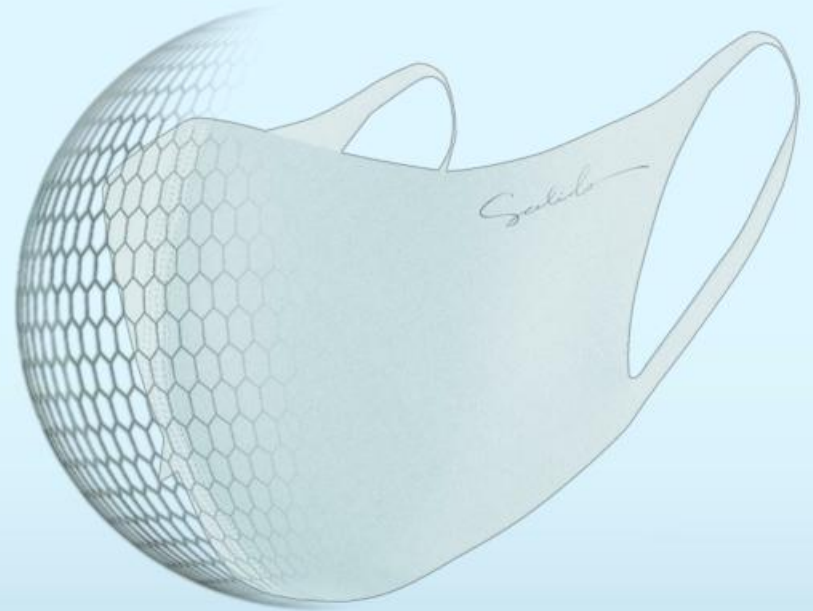
Present

Our customized mask enhances your unique individuality.

## **SCELIDO Nano Antibacterial & Antivirus Cooling Customized Mask**



STAY BEAUTIFUL FOREVER WITH  
EZER  
PREMIUM BEAUTY CARE SOLUTION  
**MEDISPORTSLAB**



SCELIDO Nano anti bacterial and virus protection mask will transform your face with unique individuality. Escape from the boring normal shaped mask to functional based, customized fit and maximized comfort to bring fashion sensation for everyone. SCELIDO mask provides fashionable colors, protects you from virus exposure with multi-layered fabric structure, and allows you to stay cool during all four seasons of the year. The outer fabric is AEROSILVER yarn, which kills bacteria and protects you from virus. The inner layer uses ASKIN fabric and copper based yarn, which provides a cooling effect and eliminates virus in a short period of time respectively. Our silver (Ag) added disinfectant pouch gives extra protection against virus. Three layers are used for maximum safety.

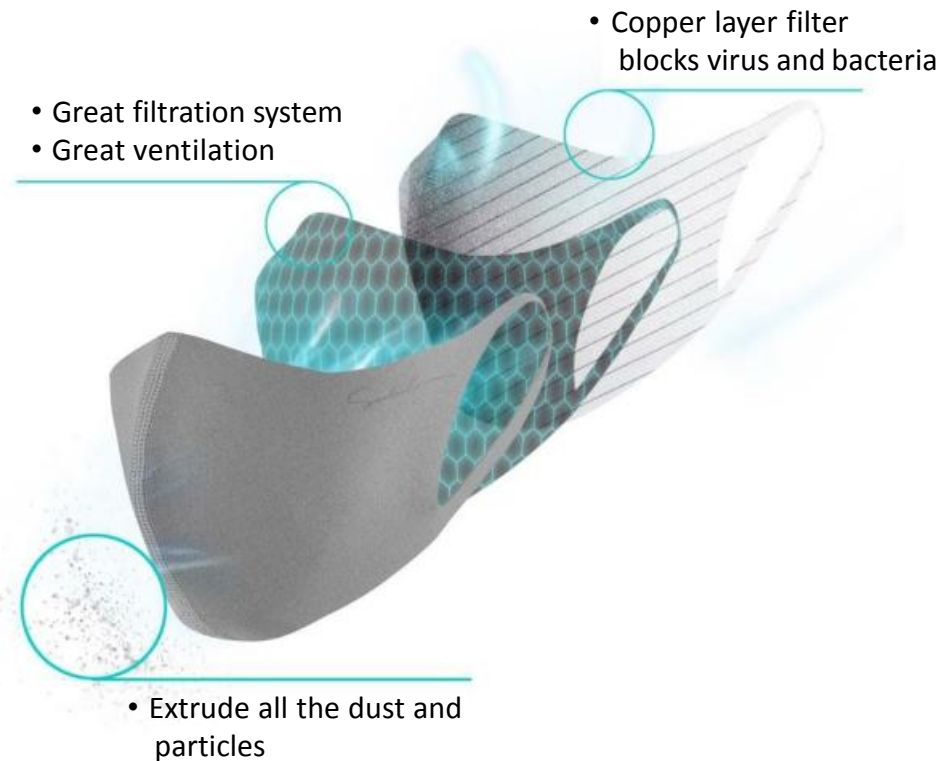
- **High Tech Personal Protective Mask**
- **Fluid Resistant Function**
- **Washable & Reusable**
- **Comfortable Respiratory system & Ventilation/Air Circulation**
- **ASKIN Fabric (Excellent Cooling system)**
- **Eliminate Antibacterial/Virus/Bad Breath (Silver Fabric)**
- **Unique Design (Multi Layered Knitting Structure Technology)**
- **KF94 extra Filter (optional)**



# Three-Layered Knitted Fabric

1. SCELIDO Nano Mask has 3 special layered knitting structure to provide extra protection whether you are indoors or outdoors.
2. Outer layer rejects dust and any airborne particles for possible infiltration.
3. Middle layer provides easy ventilation and respiration to provide comfort for the user.
4. Inner copper thread based layer provides extra strength to protect against bacteria and viruses.
5. Excellent choice of fabrics (mixture of polyurethane and polyester) provides cooling down effect to the face.
6. It is designed to give a fashionable fit to the face as we have many different sizes. It is suitable for children and the elderly.

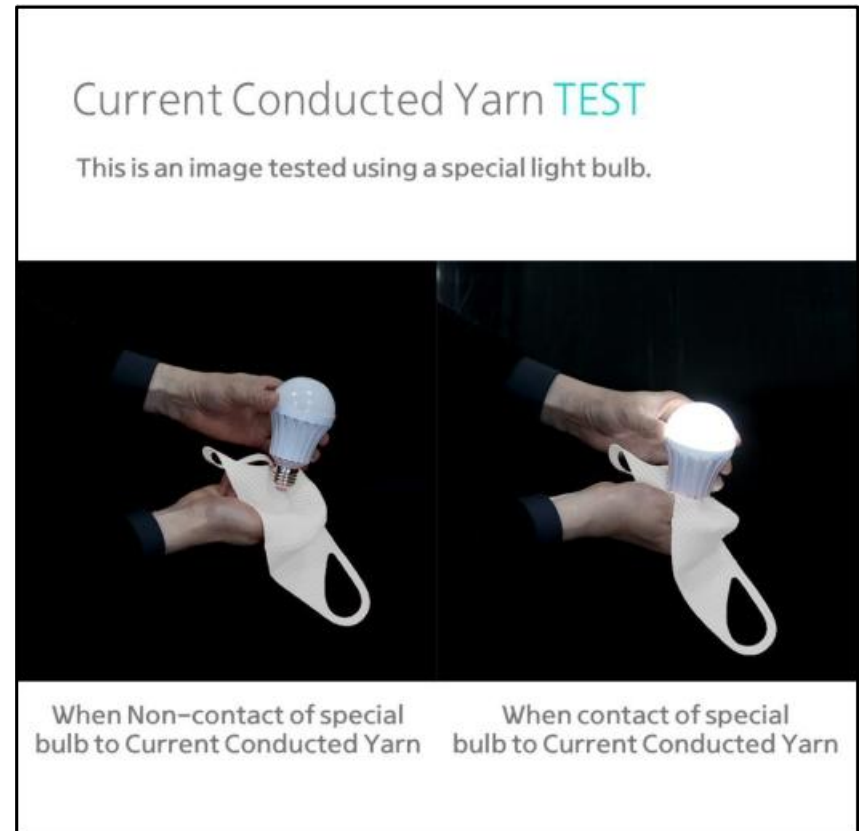
## Made with Triple-planted Structural Technology



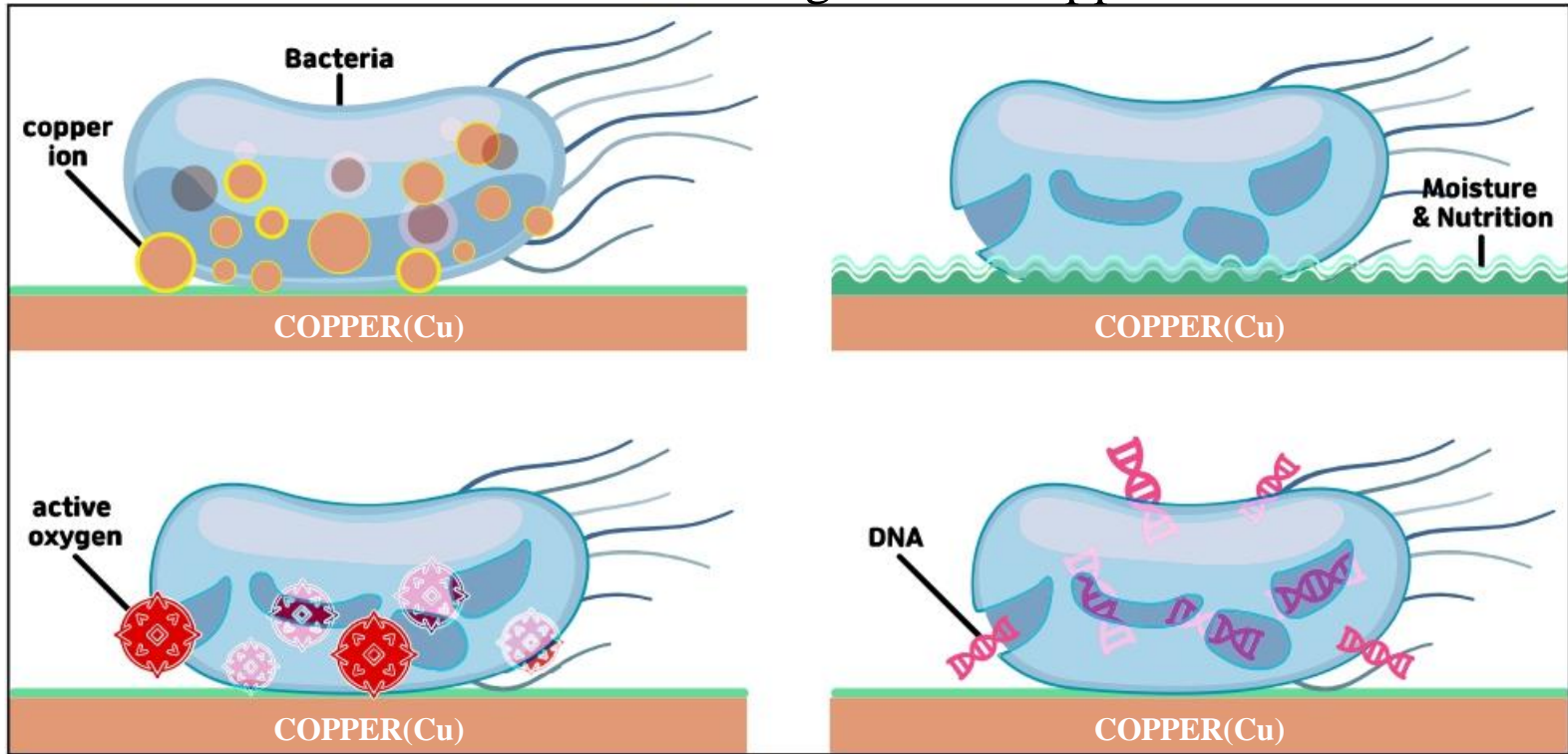
# Electric conductivity of Copper and Electrification Test

- This test is to show that the yarn of the mask has high quality copper as it has high electric conductivity. Light bulb is turned on when contacting the mask with copper yarn.
- Electrification (Protect against static)
- The lower the electrification, the more statics and dust.  
SCELIDO Nano mask has low static even with layered fabric that saliva splash proof and it can be extra safe from virus exposure (FYI, nylon has a rate of 1,050 rate of static)  
##1. ELECTROSTATIC PROPENSITY(ISO 18080-2 : 2015): V

	#1
<b>COTTON FABRIC</b>	
-WALE	440
-COURSE	460
<b>WOOL FABRIC</b>	
-WALE	400
-COURSE	340



# Virus Elimination using Ion of Copper Yarn



SCELIDO nano mask's copper yarn's ion can eliminate virus on the surface of the mask.

1. Bacteria will mistakenly recognize the ion of copper yarn since it is a necessary source of nutrient that copper will absorb in to virus.
2. Absorbed copper then creates a hole in a cell to decelerate the nutrient and moisture.
3. Copper ion will absorb oxygen through the hole created in a cell.
4. Metabolism of the cell will be permanently damaged and it will even wipe out the DNA completely as well.

[News report]

'Would copper be a solution for Coronavirus?'

The US National Institutes of Health, CDC, Princeton University, UCLA have published a thesis on the "New England Journal of Medicine" in March. According to the thesis, Coronavirus reduced its lifespan as short as 46 minutes. Follow by Air 66 minutes, stainless 5 hour 38 minutes and plastic 6 hour 49 minutes. Using spray to test its life span measure, Coronavirus died on the surface of the copper within 4 hour, Board paper 24 hour, stainless 48 hour, plastic took 72 hours for elimination.' **Source: Seoul Economic Daily 2020-05-20**

SCELIDO nano mask uses copper ion yarn for effective antivirus.

According to the research team of South Hampton University in the UK who has been actively studying on human Coronavirus (E229), the dielectric of virus will be damaged when it is engaged with copper. It has the shortest lifespan on the copper compared to other materials.



V/S



## Comparative Analysis

### Protect against

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Microorganisms, body fluids and large particles in the air</li> </ul> | <ul style="list-style-type: none"> <li>• Airborne pollutants such as haze, small particles and virus.</li> <li>• Hypoallergenic due to excellent ventilation.</li> <li>• Volatile Organic Compounds (VOCs)</li> </ul> |
|--|---|

### Loose Fit

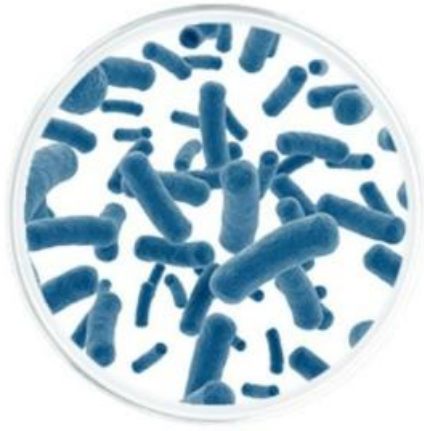
- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Designed to cover mouth and nose loosely</li> </ul> | <ul style="list-style-type: none"> <li>• Designed to seal well on the face to ensure it gives maximum protection with comfort.</li> <li>• Skin cooling effect.</li> <li>• Permanent antipollution effect</li> <li>• Permanent antimicrobial effect (silver and copper)</li> <li>• Rewashable</li> <li>• Deodorized permanent filter (antiodour, safe for skin)</li> </ul> |
|--|---|

### Comes in one size

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Not sized for individual fit</li> </ul> | <ul style="list-style-type: none"> <li>• 4XS, 2XS, XS, S, M size to protect the whole family</li> </ul> |
|--|---|



# Disinfectant Test



- 99.9% antibacterial and antivirus structured fabric
- Washable mask with UV protection
- Stretchable to 4 different directions for maximum comfort

**99.9% antibacterial and antivirus protection**



**Excellent respiratory technology**



**Copper thread technology prevents virus and provides cooling system**



# Proper Way to Wear the Mask

## Instruction



1 Identify top and bottom of mask and open it



2 Pull the mask to ear and put it on



3 For adhere closely, gentle spread mask to your face

## Extra filter

Attachable point on both side  
For flexible adjustment



Filters are purchased separately

## Instruction with extra filter



01

Identify top and bottom of mask and open it



02

Adjust filter to the center of the mask



03

Adjust it to your comfort zone



04

Wear the make and gently spread the mask to your face

## FIT GUIDE

01 Length from ear to nose, opposite ear

280mm (± 10mm) ← XS

290mm (± 10mm) ← S

300mm (± 10mm) ← M

310mm (± 10mm) ← L

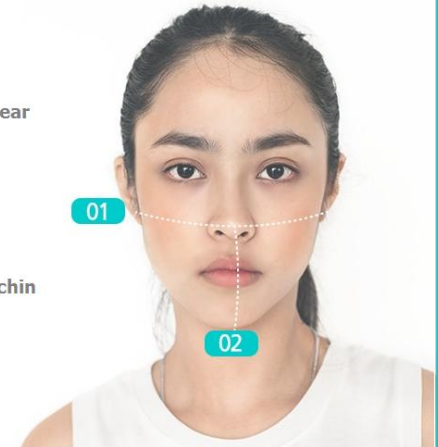
02 Distance from tip of nose to tip of chin

95mm (± 10mm) ← XS

100mm (± 10mm) ← S

105mm (± 10mm) ← M

110mm (± 10mm) ← L





# Test Report

## • Fabric test

Test result is carried out under 24 hour exposure to bacteria and virus to find out its disinfect ability to [Staphylococcus aureus](#) and [Klebsiella pneumoniae](#)

Anti bacterial & virus test 99.9% [Klebsiella pneumoniae](#) : Pneumonia test 99.9% elimination

**fiDi** (04790) 801-ho, 40, Achaean-ro, Seongdong-gu, Seoul, Korea  
Tel: 02-3299-8980 Fax: 02-3299-8989

## TEST REPORT

● ● ●

APPLICANT : KWANG FUNG TRADING CO., LTD.      REPORT NO. : C288-20-00026  
 SAMPLE RECEIVED DATE : 2020-04-02  
 TEST STARTED DATE : 2020-04-02  
 REPORT ISSUED DATE : 2020-04-16  
 PAGE : 1 OF 5

DESCRIPTION : ONE(1) PIECE(S) OF SUBMITTED CUTTING SAID TO BE FABRIC.  
 ITEM : SMA.ANTIBACTERIAL MASK FABRIC  
 TEST CONDUCTED :AS REQUESTED BY THE APPLICANT, FOR DETAILS PLEASE SEE ATTACHED PAGES.

PREPARED AND CHECKED BY FOR FITI  
*Youn soo shin*  
 YOUN SOO, SHIN  
 QUALITY MANAGER

AUTHORIZED BY FOR FITI  
*Jun Je Goo*  
 JE-GOO JUN  
 PRESIDENT

■ Report Verification No.: GLTF-NV4-QESP ■  
 (You can see the authenticity of your test report through the above "Report Verification No." at FITI homepage.)

**fiDi** (04790) 801-ho, 40, Achaean-ro, Seongdong-gu, Seoul, Korea  
Tel: 02-3299-8980 Fax: 02-3299-8989

REPORT NO.: C288-20-00026  
PAGE : 2 OF 5

**01. ELECTROSTATIC PROPENSITY ( ISO 18080-2 : 2015 ) : V**

		#1
WALE		
AS RECEIVED		
- COTTON FABRIC		350
- WOOL FABRIC		240
COURSE		
AS RECEIVED		
- COTTON FABRIC		300
- WOOL FABRIC		170

**02. ANTIBACTERIAL FINISHES ON TEXTILE MATERIALS ( AATCC TM100 : 2019 )  
: CFU/mL, PERCENT REDUCTION OF BACTERIA %**

		BLANK	#1
BACTERIA 1	THE NUMBER OF BACTERIA AFTER INOCULATION	$2.2 \times 10^5$	$2.2 \times 10^5$
	THE NUMBER OF BACTERIA AFTER 24 h	$7.0 \times 10^4$	$2.0 \times 10^4$
	PERCENT REDUCTION OF BACTERIA	---	99.7
BACTERIA 2	THE NUMBER OF BACTERIA AFTER INOCULATION	$1.8 \times 10^5$	$1.8 \times 10^5$
	THE NUMBER OF BACTERIA AFTER 24 h	$3.9 \times 10^4$	$2.9 \times 10^4$
	PERCENT REDUCTION OF BACTERIA	---	99.9

NOTE) TEST SPECIMEN : (4.8 ± 0.1) cm IN DIAMETER, (1.0 ± 0.1) g OF SWATCHES  
 VIABILITY CONTROL : 100 % COTTON STANDARD SPECIFIED IN JIS L 0803  
 STERILIZATION OF SAMPLE : AUTOCLAVE AT (121 ± 2) °C, 15 min  
 SUSPENSION MEDIUM : 5 % NUTRIENT BROTH + 0.05 % TRITON X-100  
 NEUTRALIZING BROTH : DEY ENKLEY BROTH  
 TEST BACTERIA : BACTERIA 1 - Staphylococcus aureus ATCC 6538  
 BACTERIA 2 - Klebsiella pneumoniae ATCC 4352  
 SEE ATTACHED PHOTO

\*\* End of The Report \*\*

#1
$2.2 \times 10^5$
$2.0 \times 10^4$
99.7
$1.8 \times 10^5$
$2.9 \times 10^4$
99.9

# Test Report

## • Test report

Anti bacterial & Virus test after 30 washes : Under 30°C and using neutral detergent. Test was conducted after 5min by hand wash 30 times

**fiiti** (0470) 801-No. 40, Achaem-ro, Seongdong-gu, Seoul, Korea  
Tel: 02-3299-8990 Fax: 02-3299-8999

### TEST REPORT

APPLICANT : PELTASPORTS      REPORT NO. : C288-20-00125  
 SAMPLE RECEIVED DATE : 2020-06-22  
 TEST STARTED DATE : 2020-06-22  
 REPORT ISSUED DATE : 2020-07-17  
 PAGE : 1 OF 4

DESCRIPTION : ONE(1) GROUP OF SUBMITTED SAMPLE SAID TO BE MASK.  
 ITEM : 101

TEST CONDUCTED : AS REQUESTED BY THE APPLICANT, FOR DETAILS PLEASE SEE ATTACHED PAGES.

PREPARED AND CHECKED BY FOR FITI  
 YOUN SOO SHIN  
 YOUN SOO, SHIN  
 QUALITY MANAGER

AUTHORIZED BY FOR FITI  
 JIM SE GUN  
 JE-GOO JUN  
 PRESIDENT

Report Verification No.: ZPTF-SFVR-NRGF  
 (You can see the authenticity of your test report through the above "Report Verification No." at FITI homepage.)

**fiiti** (0470) 801-No. 40, Achaem-ro, Seongdong-gu, Seoul, Korea  
 Tel: 02-3299-8990 Fax: 02-3299-8999

REPORT NO.: C288-20-00125  
 PAGE : 2 OF 4

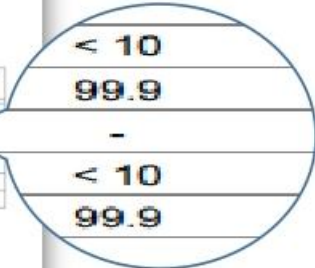
01. ANTIBACTERIAL ACTIVITY OF TEXTILES ( KS K 0693 : 2016 ) :  
 CELL/mL, BACTERIOSTATIC REDUCTION RATE %

	BLANK	#1 (AFTER 30TH WASHES)
BACTERIA 1	1.7 x 10 <sup>4</sup>	-
THE NUMBER OF BACTERIA AFTER 18 h	8.7 x 10 <sup>3</sup>	< 10
BACTERIOSTATIC REDUCTION RATE	-	99.9
BACTERIA 2	1.7 x 10 <sup>4</sup>	-
THE NUMBER OF BACTERIA AFTER 18 h	2.7 x 10 <sup>3</sup>	< 10
BACTERIOSTATIC REDUCTION RATE	-	99.9

NOTE) STANDARD FABRIC : COTTON  
 NONIONIC SURFACTANT AGENTS : TWEEN 80, 0.05 %  
 TEST BACTERIA : BACTERIA 1 - Staphylococcus aureus ATCC 6538  
 BACTERIA 2 - Klebsiella pneumoniae ATCC 4352  
 WASHING CONDITIONS : KS K 0021 : 2016, 106 METHOD, 5 MINUTES HAND WASH AT (30 ± 3) °C,  
 NEUTRAL DETERGENT, FLAT DRY

< = LESS THAN  
 SEE ATTACHED PHOTO

\*\* End of The Report \*\*



# Test Report

## • Test report

Deodorization test: insert both 3l and 5L of ammonia gas in to a gas bag for 2 hour to measure the result  
Deodorization after 2 hour was 82.6% and went up to 99% to eliminate the odor

**fioti** (04795) 801-46, 48, Adhasan-ro, Seongkong-gu, Seoul, Korea  
Tel: (02-2099-6090) Fax: (02-2099-6099)

### TEST REPORT

APPLICANT : PELTASPORTS      REPORT NO. : C232-20-01867  
SAMPLE RECEIVED DATE : 2020-06-25  
TEST STARTED DATE : 2020-06-25  
REPORT ISSUED DATE : 2020-07-03  
PAGE : 1 OF 2

DESCRIPTION : ONE(1) GROUP OF SUBMITTED SAMPLE SAID TO BE MASK.  
ITEM : 101  
COLOR NAME : WHITE  
TEST CONDUCTED : AS REQUESTED BY THE APPLICANT, FOR DETAILS PLEASE SEE ATTACHED PAGES.

PREPARED AND CHECKED BY FOR FIOTI  
*Youn soo SHIN*  
YOUN SOO, SHIN  
QUALITY MANAGER

AUTHORIZED BY FOR FIOTI  
*Jun Je Jun*  
JE-GOO JUN  
PRESIDENT

■ Report Verification No.: 69EX-JEXA-14V5 ■  
(You can see the authenticity of your test report through the above "Report Verification No." at FIOTI homepage.)

**fioti** (04795) 801-46, 48, Adhasan-ro, Seongkong-gu, Seoul, Korea  
Tel: (02-2099-6090) Fax: (02-2099-6099)

REPORT NO. : C232-20-01867  
PAGE : 2 OF 2

01. EFFICIENCY OF DEODORIZATION  
( FIOTI TEST GUIDELINE FTM-5-2 ; 2004, GAS DETECTION METHOD ) : %

	#1	METHOD ) : %
AMMONIA	82.6	#1
		82.6
		EFFICIENCY OF DEODORIZATION (%) = ((Cb - Ca)/Cb) x 100
		NOTE) SAMPLE : APPLICANT REQUEST'S STATE (PRODUCT NAME)
		GAS BAG SIZE : 5 L
		AMOUNT OF GAS PACKED : 3 L
		ELAPSED TIME : AFTER 2 HOURS
		INITIAL CONCENTRATION : 100 ppm
		- Cb : BLANK, CONCENTRATION OF THE TEST GAS REMAINED IN THE GAS BAG AFTER 2 HOURS
		- Ca : SAMPLE, CONCENTRATION OF THE TEST GAS REMAINED IN THE GAS BAG AFTER 2 HOURS

\*\* End of The Report \*\*

(#1)



# Test Report

## • Test report

UV block Test

**fiti** (04790) 891-no. 40, Achaesan-ro, Seongdong-gu, Seoul, Korea  
Tel : 02-3299-8090 Fax : 02-3299-8099

### TEST REPORT

APPLICANT : PELTASPORTS

REPORT NO. : C232-20-01976  
SAMPLE RECEIVED DATE : 2020-07-02  
TEST STARTED DATE : 2020-07-02  
REPORT ISSUED DATE : 2020-07-03  
PAGE : 1 OF 2

DESCRIPTION : ONE(1) GROUP OF SUBMITTED SAMPLE SAID TO BE MASK.

ITEM : 101  
COLOR NAME : GREY

TEST CONDUCTED : AS REQUESTED BY THE APPLICANT, FOR DETAILS PLEASE SEE ATTACHED PAGES.

PREPARED AND CHECKED BY FOR FITI  
*Youn soo SHIN*  
YOUN SOO, SHIN  
QUALITY MANAGER

AUTHORIZED BY FOR FITI  
*Jun Je Goo*  
JE-GOO JUN  
PRESIDENT

Report Verification No.: BDCB-4LSU-RANN  
(You can see the authenticity of your test report through the above "Report Verification No." at FITI homepage.)

**fiti** (04790) 891-no. 40, Achaesan-ro, Seongdong-gu, Seoul, Korea  
Tel : 02-3299-8090 Fax : 02-3299-8099

REPORT NO. : C232-20-01976  
PAGE : 2 OF 2

#### 01. ULTRA VIOLET BLOCKING ( KS K 0850 : 2019 ) : %

	#1
UV-R BLOCKING	99.8
UV-A BLOCKING	99.7
UV-B BLOCKING	MORE THAN 99.9


NOTE) MEASURING INSTRUMENT : UV-VIS-NIR SPECTROPHOTOMETER (PERKINELMER\_LAMBDA 1050 WITH)  
WAVELENGTH RANGE : UV-R : 290 nm ~ 400 nm  
UV-A : 315 nm ~ 400 nm  
UV-B : 290 nm ~ 315 nm  
WAVELENGTH INTERVAL : 5 nm

#### 02. UPF(ULTRAVIOLET PROTECTION FACTOR) ( KS K 0850 : 2019 )

	#1
UPF	50+
UV-A TRANSMITTANCE (%)	0.3
UV-B TRANSMITTANCE (%)	LESS THAN 0.1

NOTE) MEASURING INSTRUMENT : UV-VIS-NIR SPECTROPHOTOMETER (PERKINELMER\_LAMBDA 1050 with 150 nm INGAAS INT. SPHERE)  
WAVELENGTH RANGE : UV-R : 290 nm ~ 400 nm  
UV-A : 315 nm ~ 400 nm  
UV-B : 290 nm ~ 315 nm  
WAVELENGTH Interval : 5 nm  
50+ : A UPF RATING OF 51 OR GREATER(AS/NZS 4399:2017)

\*\* End of The Report \*\*



# SAFETY PRODUCTS PASSED THE 'DMF TEST'



This product is not a fabric bonding product, but a triple-planted product, which is an antibacterial mask that is harmless to the human body.

DMF is short for DIMETHYLFORMAMID, which is an item that is tested for the safety of the harmful substances in the fabric at the Korea Textile Research Center.

**\* < 5 (under 5) The results of the test are undetectable. This is the maximum number you can display when you get a number.**

**KOTERI** 1/2

TEST REPORT

Sample Description

Sample Name : #1 5M Antibacterial mask fabric

Tested By	Authorized By
Name : W. K. Lee	Assistant Technology Manager Name : M. J. Kim

KORI: A High Tech Textile Research Institute

FKOP20-010

**KOTERI** 2/2

TEST CONDUCTED

Report No. : 2020-0910-1751

(1) Dimethylformamide ( DMF ) ( TS 16109 - 2013 ) ( kg / kg )

#1

< 5 (under 5)

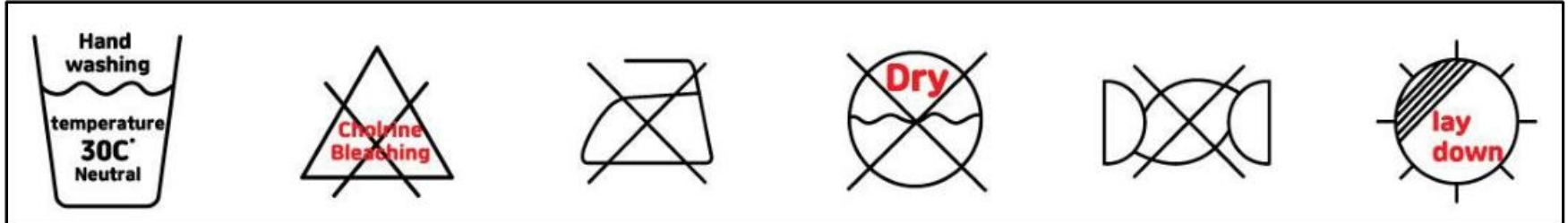
#1

< 5 (under 5)

Jno. : IIKOP20-010



# Precautions



- Please wash it with water below 30°C
- Please use neutral detergent
- Do NOT machine dry and dry it in a cool place instead
- Do NOT iron
- Do NOT use the mask in a low oxygen environment
- Do NOT change the shape of the mask
- Do NOT wash the mask and the external extra filter together
- **Please wash the fabric mask if it encounters contamination**
- **External extra filter is for one time use only**

# FAQ

1. Is this made in Korea?

Yes, the fabric of SCCELIDO masks is produced all the way from Korea.

2. Can SCCELIDO Mask protect against anti bacteria and virus?

Yes. With 3 layer structured technology, it can protect against bacteria and viruses.

3. Does SCCELIDO mask provide UV protection?

Yes, SCCELIDO masks are produced with silver/copper based fabric to protect 99% of UV.

4. Are these masks can be painful to the ear if wearing it for a long time?

No, SCCELIDO masks are designed with soft fabric to fit in the face so that you can wear it comfortably for whole day. However, this may vary from person to person.

5. Is it good to wash the mask every day? How long does it take to dry?

It is good to wash SCCELIDO masks on a daily basis. The drying duration may vary depending on the location; however, it is generally very quick to dry.

6. How do you wash the mask?

SCCELIDO masks may be damaged if you wash them with acid- or alkaline- based materials. Please wash the mask with neutral detergent instead.

7. Does the mask slide down your nose and cause your glasses to fog up?

Yes. To prevent this, we have nose wires to help the mask stay firmly in place.



MEDISPORTSLAB  
THANK YOU

