



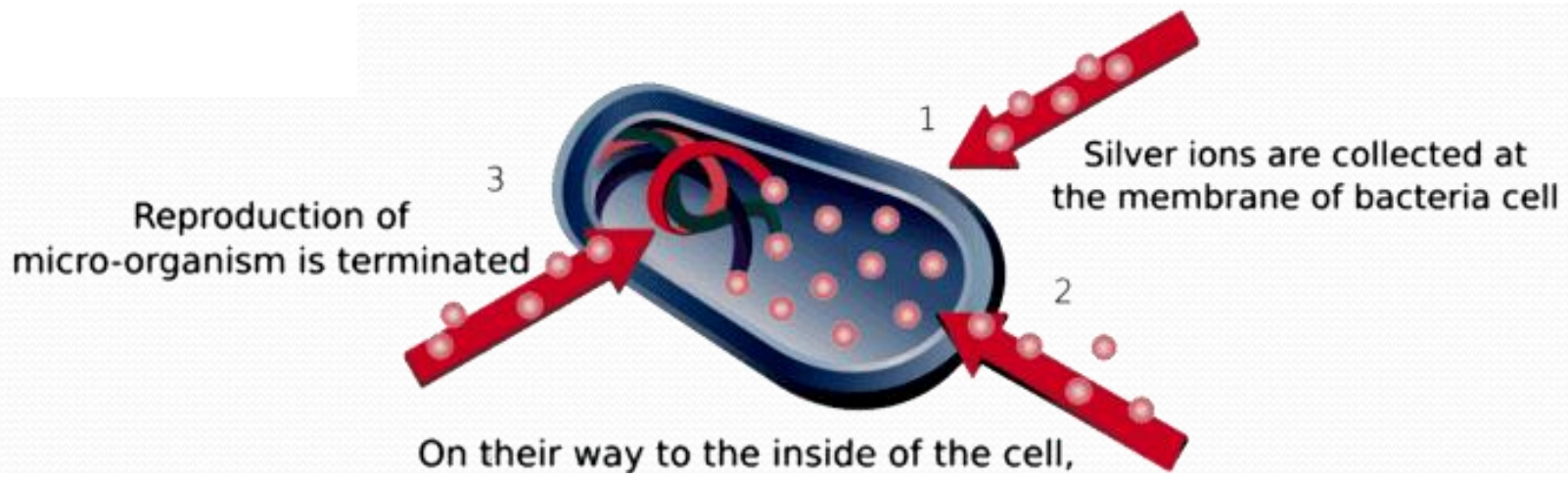
Silver ION Antibacterial Smart Fabric Face Mask washable more than >50 times

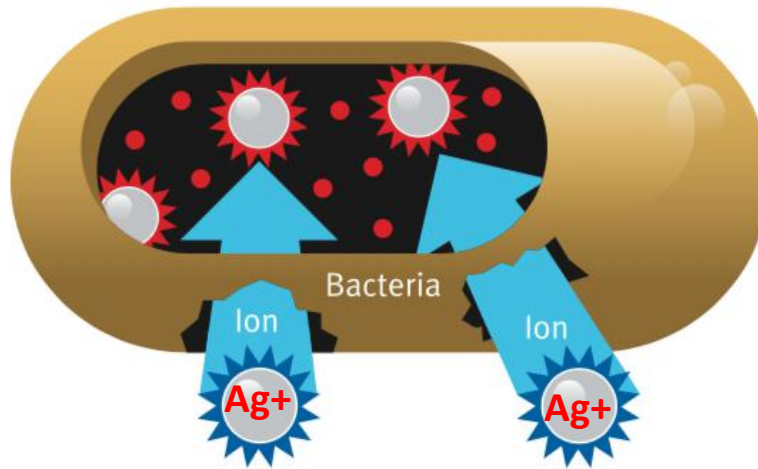
1. Above >99% (inner & outer layer) antibacterial & antiviral
2. REMOVE Odor, lasting fresh
3. Dust resistant - filter PM2.5 pollutants
4. Wash resistant- **more than >50 times** (cost saving & environment friendly)
5. Water resistant (inner & outer layer)
6. Light resistant - anti-UV UPF50
7. Heat resistant (up to 130°C)
8. Soft, comfortable, sensitive skin friendly
9. **HIGHLY Breathable**
10. Safe & reliable- 5 unique international safety certificates (Japan SEK, REACH, Oeko-Tex, US EPA, BPR)





Antibacterial Mask polymer-containing silver technology releases silver ions to **neutralize odor-causing bacteria and tested to kill 99.9% of germs, bacteria & virus**





Silver ions destabilise cell membrane, stop respiration and inhibit cell division, whilst blocking the replication of DNA

EVEL STANDARD

ion
times
acterial > 99%



Kill Rate (5 Minutes)

Pathogen	Control	Structured Silver
Staphylococcus aureus	0%	99.90%
MRSA	0%	99.89%
Pseudomonas aeruginosa	0%	99.93%
E-coli	0%	99.91%
Salmonella	0%	99.99%
Candida albicans	0%	99.97%
Streptococcus	0%	99.99%





Lasting antibacterial properties of different fabrics

30ppm Ag, 50 home washes, ISO 20743-2007 antibacterial test

SampleID	100% Cotton			
	Initial	5 home washing	20 home washing	50 home washing
SILVADUR 900	>99.9%	>99.9%	>99.4%	>99.0%
SILVADUR 961	>99.9%	>99.9%	>99.0%	>99.4%



silvadur.
Smart antibacterial fabric

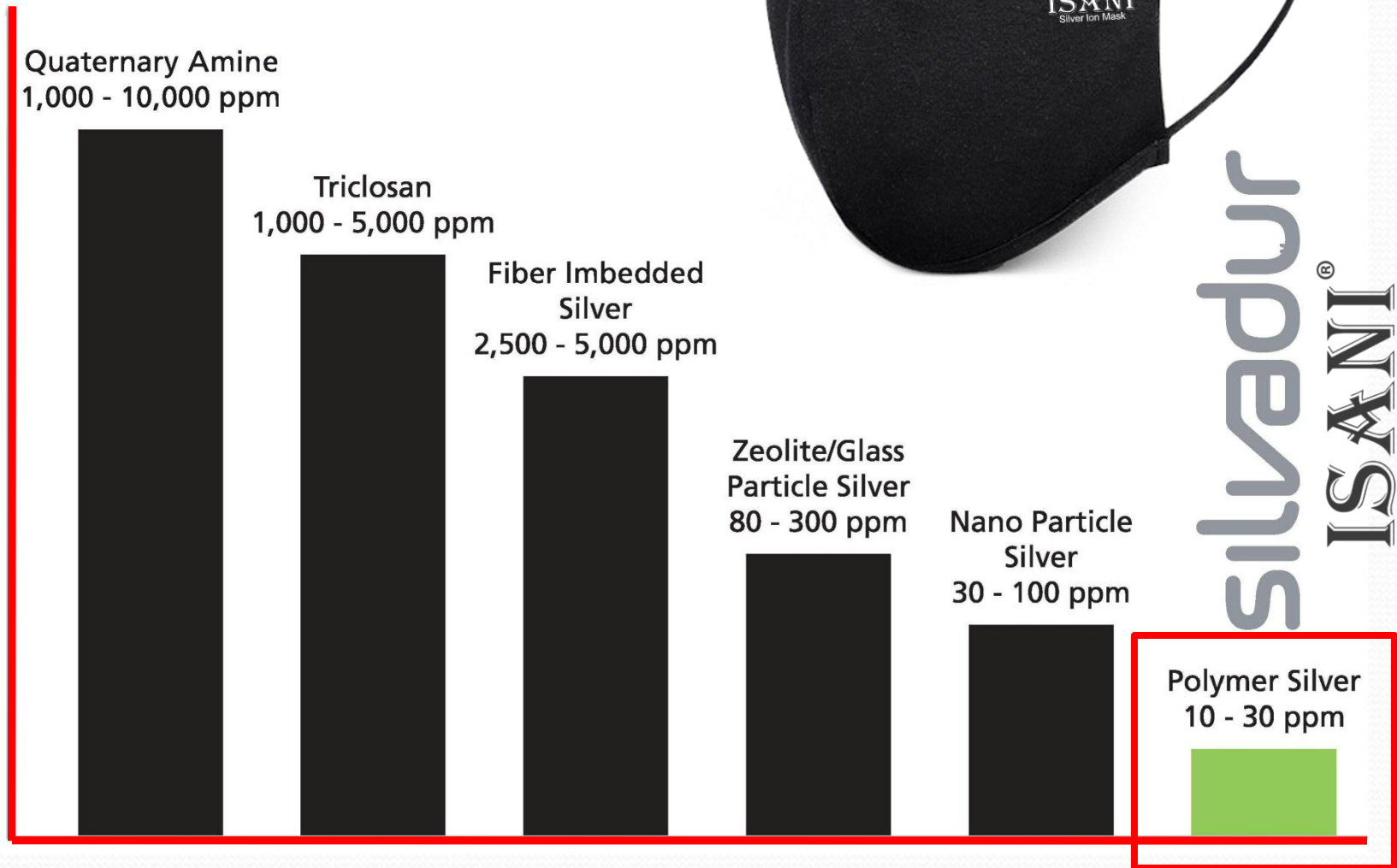
Fabric Specification

Stay Fresh/Wash Less/More Safe

Product name	Cloth number	Raw material	Effective width(cm)	Gram weight gm/m2	Ingredient	Stock color
Plain weave	XR1172AT	26S/1 Cotton	183	160	100% Cotton	Black/white



Amount of Active ingredient (ai) required on Fabric



silvador.
Smart antibacterial fabric

ISANI[®]
Silver Ion Mask



Lasting Protection /

Up to the national "FZ T 73023 Antibacterial Knitwear"

AAA level standard

Heat resistant , Wash , Resistance to light

Durable: Over 50 times Powerful: Anti-bacterial >99%

Odor Control /

Smart fresh antibacterial technology can provide fresh feeling all day

Safe and reliable /

Through various international authoritative certifications, the **five unique safety certifications** , also strictly control the products in accordance with the cosmetic grade testing standards.



5 Unique International Safety Certifications



Tested Japan **SEK** Antimicrobial Finished Product



Passed **REACH** Safety Certification



Have joined the international Environment Textile Association (**International Oeko-Tex Association**) Recommended antibacterial product list



Registered with the US Environment Protection Agency (US EPA)

- ✓ Human risk assessment by U.S. EPA
- ✓ Risk assessment for worst-case antibacterial treatments
- ✓ The fabric processed by **SILVADUR**, after soaking in sweat the concentration of free silver ions is far below the risk threshold



The independent industry textile standard

Bluesign Systempartner
Passed Biocidal Products Regulations (BPR) security certification

AAA LEVEL STANDARD

Double Protection

Up to the national "FZ T 73023 Antibacterial Knitwear"



ISANI[®]
Silver Ion Mask

silvadur
Smart antibacterial fabric





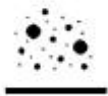
Antibacterial



Safety



Repeated washing



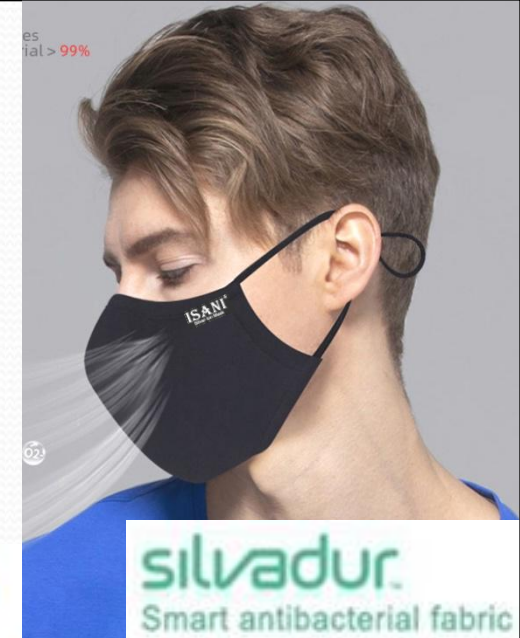
Block dust



High elastic mounting ears



Soft and breathable



silvadur.
Smart antibacterial fabric

Smart antibacterial technology

Revolutionary technology, known as the "Innovation Oscar" in the technology industry

SILVADUR-Innovation in
Textile Antibacterial Technology



Exert greatly natural power of silver ions

- Intelligent control of silver release
- Silver Lithium + Intelligent Controlled Tilling Group
- Up to the national "FZ T 73023 Antibacterial Knitwear" AAA level standard, antibacterial effectively
- Heat-resistant, wash-resistant, light-resistant, keep the bacteriostatic rate above 99% after washing more than 50 times
- Safe and reliable
- Remove odor, lasting fresh

ISANI[®]
Silver Ion Mask





Silver Ion Mask

SPECIFICATIONS/ SIZES



Adult size



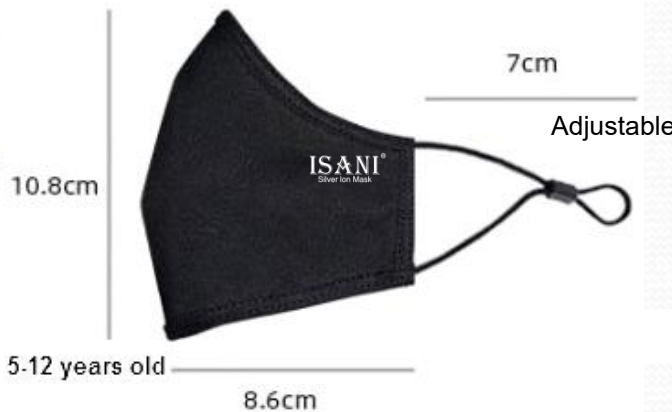
5-12 years old



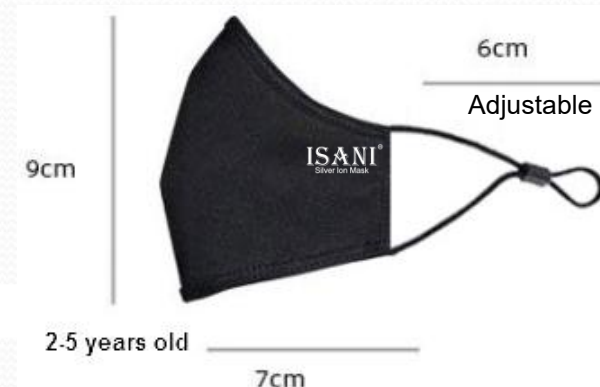
2-5 years old



Adult Size



5-12 years old



2-5 years old





Silver ION Antibacterial Smart Fabric Face Mask washable more than >50 times



Actual Packaging View



4 Dimensions View



How Much You Can *Save* When You Using



VS
Every
Usage



Silver ION Antibacterial Smart Fabric Face Mask **washable more than >50 times**

Disposable Medical Face Mask

Wash every 3 usage = US\$0.06

± US\$0.35

Wash every 2 usage = RM0.12

Wash every 1 usage = RM0.25





中国合格
国际互认
检测
TESTING
CNAS L0139

Report No.: SHOJ20004160002

Sample name	Judgement standard	Conclusion
Polyester cotton knitted antibacterial fabric XR2055AT	FZ / T 73023-2006 D.8: Oscillation method	See individual judgment

Test Results:

No.	Inspection items	Unit	Inspection method	Technology Request	Report detection limit	Test Results	Single item judgement
1	Antimicrobial performance test (textiles)-candida albicans ATCC10231	%	FZ / T 73023-2006 D.8: Oscillation method	≥60	—	99.9	Conformed
2	Antibacterial performance test (textile)-E. coli ATCC8739	%	FZ / T 73023-2006 D.8: Oscillation method	≥70	—	> 99.9	Conformed
3	Antibacterial performance test (textile)-Klebsiella pneumoniae ATCC4352	%	FZ / T 73023-2006 D.8: Oscillation method	—	—	> 99.9	—
4	Antibacterial performance test (textile)-Staphylococcus aureus ATCC6538	%	FZ / T 73023-2006 D.8: Oscillation method	≥80	—	99.9	Conformed

Remarks:

- The testing sample has been washed 50 times before testing.

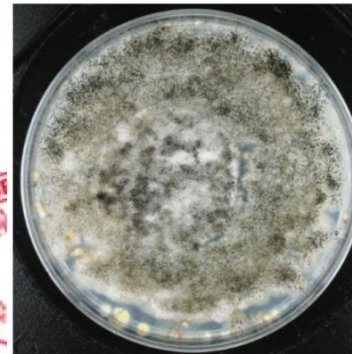
SHOJ20004160002



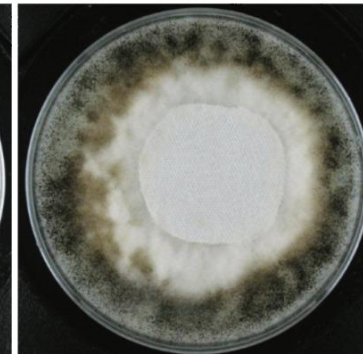
report ended
Page 2 of 3



SILVADUR™ Mildew Resistance



NO SILVADUR



SILVADUR (30 ppm silver)

AATCC Test Method 30-2004, Test III, Agar Plate, *Aspergillus niger*. Mineral salts agar with additional 3% glucose was applied. Cultured for 7 days.

100% Polyester fabric, 280 g/m²



Certificate of Compliance



No. 4W200407F.GBA0S28

Certificate's Holder: Guangzhou Baiyun Area Etai Garment Factory
Room 202, No. 14, 1st Street, Luoyong North Road, Songzhou Street, Baiyun District, Guangzhou

Certification ECM Mark: 

Product: Fashion cotton mask
Model(s): Etai009
Verification to: Standard: EN149:2001 + A1:2009
related to CE Directive(s): R 2016/425 (Personal Protective Equipment)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products according to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:

 The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01_ECM rev.3 available at: www.enteceerma.it

Issuance date: 07 April 2020

Expiry date: 06 April 2025

Reviewer
Technical expert
Amanda Payne



Approver
ECM Service Director
Luca Bedonni



Ente Certificazione Macchine Srl

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ISANI[®]
Silver Ion Mask



Certificate of Compliance

SILVADUR[™]
Quality Assurance Certification Program

Certificate of Compliance Certificate Number: 033020-01

Issue Date: 3/30/2020

Expiration Date: 3/29/2021
*Renewal Required
Post this Date**

issued To: Foshan TARA Textile LTD for Five Men

Product Certified: 100% Cotton Jersey for Apparel
Treated with Silvadur supplied by Higoal
Segmentation ID: 10011
DuPont ID: 2020040601, IAC Verification ID: 086-02-001378

According to the terms of SILVADUR[™] Certified testing, Foshan TARA Textile LTD for Five Men

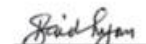
is granted authorization to use the SILVADUR[™] brand, trademark and/or logo.

The results of the testing, according to DuPont Nutrition & Biosciences standards, have shown that the above mentioned product meets targeted specification of all tests as presently established.

Test Standard	Performance Specifications	Pass - Fail	
Antimicrobial Analysis	ASTM E3160-18	Greater than 99% reduction vs. Control after 20 simulated washes	PASS
Laundering Durability	ASTM E3162-18	4 cycles (20 simulated launderings)	PASS

The holder of this certificate is authorized to use the SILVADUR[™] logo only in conjunction with the product outlined above upon submission and approval of the the SILVADUR[™] Trademark License Agreement.

issued By:



Sheril V. Vaidhyan
Global Business Director



Anna Du, Ph.D.
Principal Scientist
DuPont



Emerentiana Sianawati, Ph.D.
Principal Scientist
DuPont

3/30/2020

Date

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Silver ION Antibacterial Smart Fabric Face Mask washable more than >50 times



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