



# Anti-Bacterial Fabric Face Mask with Copper-Ion Fiber

Relax Int.Co., Ltd.

# Anti-Bacteria Fabric Face Mask with Copper-Ion Fiber

- ▶ Hand-Washable and Re-usable
- ▶ Highly Breathable Waterproof PTFE Film
- ▶ Higher than 95% Anti-Bacterial Rate
- ▶ Passed Bureau Veritas Taiwan LAB Test (AATCC 100, Antibacterial Finishes on Textile Materials)



# Construction

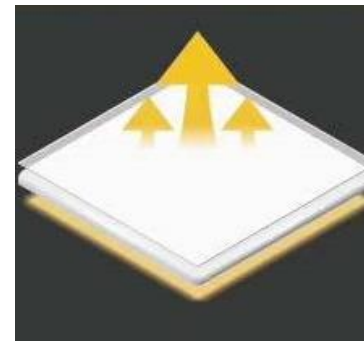
- ▶ First Layer
  - => Water Repellent
- ▶ Second Layer
  - => Highly Breathable waterproof PTFE film
- ▶ Third Layer
  - => Higher than 95% anti-bacterial rate  
(Test standard: AATCC 100 )

Face Fabric: 100% polyester with DWR treatment

PTFE film (Breathable waterproof)

Copper Ion Fiber Fabric (Anti-bacteria)

- ▶ Adjustable



# Feature:

Anti-Bacteria (Passed AATCC Test)

Waterproof + Breathable

Comfortable + Adjustable

Washable + Re-usable

# Washable and Re-usable

The antibacterial effect is still higher than 95% after 30 washes

## TEST REPORT

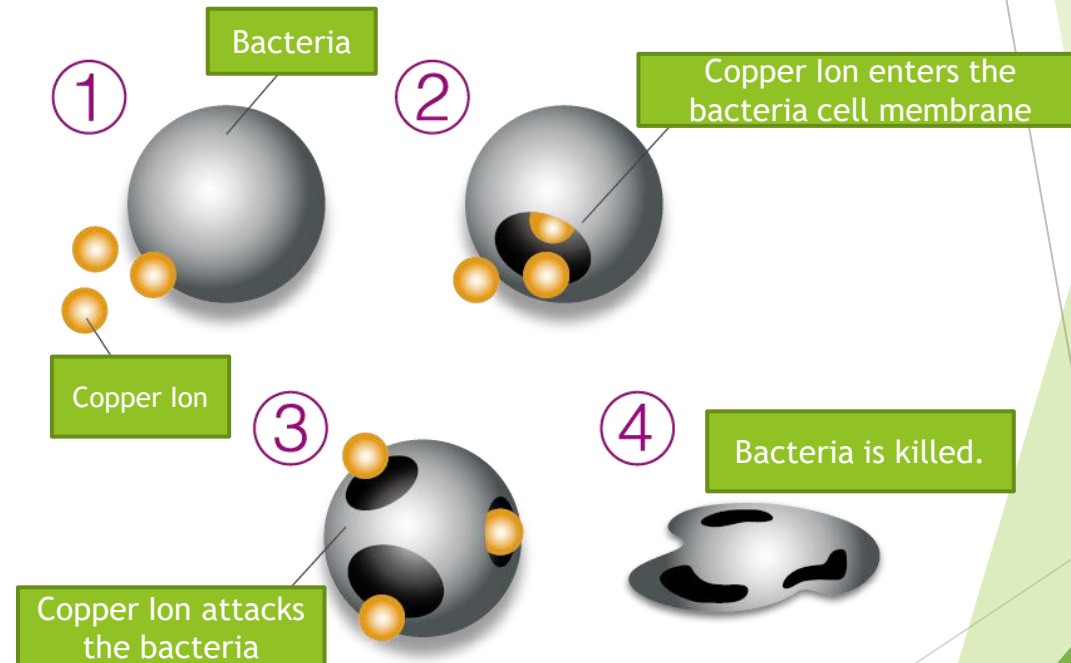
INDICATION ITEMS	Composition (%)		Fiber Identification only		Care Label		Good/No good			
	Material	Good/No good	Good	No good	Size	Country of Origin	Good/No good	Good/No good		
PRODUCT INSPECTI	Appearance									
	Sewing	Good/No good								
CLOTH INSPECTION	Items	Test Method	Cloth No.	1	2	3	4	5	6	7
	Light	JIS L0842	C.C							
	Washing	JIS L0844 (A-2)	C.C S							
	Perspiration	JIS L0848 (acid-alkaline)	C.C S							
	Rubbing	JIS L0849 TYPE II	Dry Wet							
	water	JIS L0846	C.C S							
	Bleeding	DAIMARU	S							
	Fluorescent	Black light								
	Antibacteria I Activity	Bacteriostatic Activity AATCC 100	Staphylococcus aureus : 99.6 Klebsiella pneumoniae : 99.6 Escherichia Coli : $\geq$ 99.9							
	Formaldehyde pH	(A-A0) $\cdot$ ( $\mu$ g/g) Triumph method								
SAMPLES	1	2	3	4	5	6	7	8		
	KAKEN KAKEN K									
ACTION	Receipt	7-Feb-2020	Issuance	DATE :	20-Feb-2020	Bureau Veritas Consumer Products Services(H.K.) Limited, Taiwan Branch		Affiliated Lab ( BVCPS TAIWAN )		
			No. (6220) 038-0217							

BUYER	NAME	
	DEVELOPED BUYER	
	GROUP NO.	
SELLER/MANUFACTURER	CONTRACT NO.	
	CODE	
DESCRIPTION	NAME	
	ADDRESS	
	REPRESENTATIVE	
CD+T+N+OP 双面洞洞条子布		
STYLE No.	NUMBER OF COLOR	
102136	1	
POLYESTER 77% COPPER(NYLON): 13% SPANDEX 10%		

APPLIED SPEC	
PRODUCT INSP	PASSED <input checked="" type="checkbox"/> REJECTED <input type="checkbox"/>
CLOTH INSP	PASSED( <input type="checkbox"/> COL ) <input checked="" type="checkbox"/> REJECTED( <input type="checkbox"/> COL )
Appointed only by the client.	
NAME OF COMPANY OR INSPECTION ORGANIZATION	
INSPECTOR	

# Copper Ion

- ▶ According to a new study published at the first International Conference on Prevention and Infection Control held by the World Health Organization (WTO) in Switzerland, the use of antibacterial copper coatings in hospitals can help to reduce the risk of hospital-acquired infections (HAI) up to 40%, and be effective to kill 97% of bacteria, many viruses and fungal pathogens.  
In 2009, Professor Bilkiville from the University of Southampton in the United Kingdom published a research report, pointing out that copper can inhibit the Influenza A virus subtype H1N1. After 6 hours of observations, almost no surviving influenza virus can be found on the copper surface; As a comparison, there are still 500,000 virions remaining on the stainless surface after the same period. In the same year, a test by the US Environmental Protection Agency (EPA) showed that under room temperature, the copper alloy killed 99.9% of Methicillin-resistant Staphylococcus aureus (MRSA) on its surface within two hours.



# Copper Ion

- ▶ Cupric Ion is a non-toxic element and will not harm our health!
- ▶ Copper (Cu), an essential nutrient for the body and the third most abundant trace element in the human body (right after iron and zinc), not only facilitates the process of metabolism but also does not cause skin irritation or hypersensitivity. Copper acts as a catalyst of intracellular oxidation and shows anti-bacterial and anti-viral activities.
- ▶ Historical proves of using Cupric ion:  
Earlier in Ancient Egypt and Greece times, people already discovered the benefits of Cupric ion such as healing, anti-bacteria and anti-inflammatory. Copper has been used as a medicine for thousands of years including the treatment of chest wounds and the purifying of drinking water.

# Washing Care

## Washing Care Instruction

- 1) Soak in cold water for 2~3 minutes, gently wash with hands then rinse thoroughly with sufficient water. Hang dry before use.
- 2) Wash with PH-neutral detergent and rinse with water.

## Reminder

- ▶ Wash it with water and hang dry before the first use.
- ▶ DO NOT use strong detergents, powdered detergent, bleach or dry-cleaning
- ▶ Do NOT use washing machine, tumble dryer or ironing.
- ▶ Depends on personal habits, it's recommended 1~3 times a week.
- ▶ Cleaning is recommended once a day during the epidemic.