

# TEST REPORT

**FOR REFERENCE ONLY**



APPLICANT : SOOMLAB

REPORT NO. : N271-20-00801

SAMPLE RECEIVED DATE : 2020-04-17

TEST STARTED DATE : 2020-04-17

REPORT ISSUED DATE : 2020-05-13

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DESCRIPTION : ONE(1) PIECE OF SUBMITTED CUTTING SAID TO BE MASK.

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ITEM : AIRQUEEN NANO MASK, NANOFIBER FILTER

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

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PREPARED AND CHECKED BY  
FOR FITI



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QUALITY MANAGER

AUTHORIZED BY  
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JE-GOO JUN  
PRESIDENT

※ Report Verification No.: Y4V9-GL2E-LDRU ※

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



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**01. EFFICIENCY (SODIUM CHLORIDE)  
( GUIDELINES FOR REFERENCE STANDARDS FOR HEALTH MASKS,  
FOOD AND DRUG SAFETY (2019.12) ) : %**

	#1
ROOM TEMPERATURE	
- 1	96.7
- 2	96.5
- 3	96.2
ROOM TEMPERATURE 4 HOURS AFTER PRETREATMENT (38 ± 2.5) °C, (85 ± 5) % R.H.	
- 1	96.7
- 2	96.1
- 3	95.1

NOTE) THIS STANDARD TEST METHOD WAS APPLIED BY THE CLIENT'S REQUEST,

**02. EFFICIENCY(PARAFFIN OIL)  
( GUIDELINES FOR REFERENCE STANDARDS FOR HEALTH MASKS,  
FOOD AND DRUG SAFETY (2019.12) ) : %**

	#1
ROOM TEMPERATURE	
- 1	97.1
- 2	98.3
- 3	96.3
ROOM TEMPERATURE 4 HOURS AFTER PRETREATMENT (38 ± 2.5) °C, (85 ± 5) % R.H.	
- 1	96.5
- 2	97.0
- 3	98.4

NOTE) THIS STANDARD TEST METHOD WAS APPLIED BY THE CLIENT'S REQUEST,



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**03. MASK INHALATION RESISTANCE TEST  
( GUIDELINES FOR REFERENCE STANDARDS FOR HEALTH MASKS,  
FOOD AND DRUG SAFETY (2019.12) ) : Pa**

	#1
ROOM TEMPARATURE	
- 1	20
- 2	22
- 3	24
ROOM TEMPARATURE 4 HOURS AFTER PRETREATMENT (38 ± 2.5) °C, (85 ± 5) % R.H.	
- 1	23
- 2	22
- 3	24

NOTE) THIS STANDARD TEST METHOD WAS APPLIED BY THE CLIENT'S REQUEST,

**04. TENSILE STRENGTH  
( GUIDELINES FOR REFERENCE STANDARDS FOR HEALTH MASKS,  
FOOD AND DRUG SAFETY (2019.12) ) : N**

	#1
	23

NOTE) THIS STANDARD TEST METHOD WAS APPLIED BY THE CLIENT'S REQUEST,

**05. PHASE  
( GUIDELINES FOR REFERENCE STANDARDS FOR HEALTH MASKS,  
FOOD AND DRUG SAFETY (2019.12) )**

	#1
	WHITE NONWOVEN(MATERIAL) MASK WITH NOSE PIECE IN 3-STAGE TRANSVERSE FOLDING BODY AND WHITE STRING ON BOTH SIDES

NOTE) THIS STANDARD TEST METHOD WAS APPLIED BY THE CLIENT'S REQUEST,



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**06. ACID OR ALKALINE**  
**( GUIDELINES FOR REFERENCE STANDARDS FOR HEALTH MASKS,**  
**FOOD AND DRUG SAFETY (2019.12) )**

	#1
METHYL-ORANGE FLUID	NO ORANGE COLOR DEVELOPS.
PHENOLPHTHALEIN FLUID	NO RED COLOR DEVELOPS.

**07. DYES**  
**( GUIDELINES FOR REFERENCE STANDARDS FOR HEALTH MASKS,**  
**FOOD AND DRUG SAFETY (2019.12) )**

	#1
	NO COLOR DEVELOPS.

**08. FLUORESCENCE**  
**( GUIDELINES FOR REFERENCE STANDARDS FOR HEALTH MASKS,**  
**FOOD AND DRUG SAFETY (2019.12) )**

	#1
	NOT VISIBLE FLUORESCENCE.

**09. FORMALDEHYDE**  
**( GUIDELINES FOR REFERENCE STANDARDS FOR HEALTH MASKS,**  
**FOOD AND DRUG SAFETY (2019.12) )**

	#1
	THE COLOR OF THE SAMPLE SOLUTION IS NOT DARKER THAN THAT OF THE COMPARATIVE SOLUTION



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**10. APPEARANCE**  
**( GUIDELINES FOR REFERENCE STANDARDS FOR HEALTH MASKS,**  
**FOOD AND DRUG SAFETY (2019.12) )**

	#1
LENGTH	152.3
WIDTH	203.3
LEFT	160.3
RIGHT	161.7

NOTE) THIS STANDARD TEST METHOD WAS APPLIED BY THE CLIENT'S REQUEST,

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

