

Powerful filtering, excellent permeability

AirQUEEN Nano Mask

Masks are a must!
Introducing easy-to-breathe mask with exceptional filter





MADE IN KARLEA

Made with our own proud technology-AirQUEEN Nano Mask

- Nanofiber Filter Manufactured by: LEMON Co., Ltd.
- Mask Manufacture & Distribution: TOPTEC Co., Ltd.

Breathing New Technology, Nanofiber

Nanofiber Filter

Nano fibers are only 1 nanometer, 1 billionth of a meter, in thickness Nanofiber is a new material made by building these fibers sterically for a fishnet structure that has better permeability, blockability, and durability than any fiber ever invented.







Permeability

Blockability

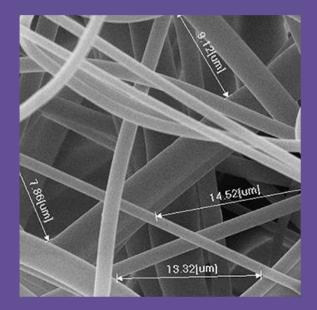
Durability

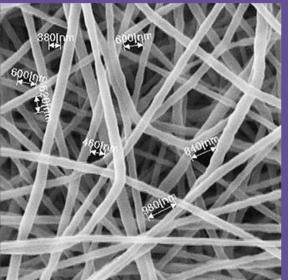
Nanofiber Filter has a different fiber thinkness / fiber thinkness / filtering method from the existing electrostatic filter

Melt-Blown Filter

5,000 times enlarged

The fiber is thick
Average space between the fibers is over 10µm





Nanofiber Filter

15,000 times enlarged

Very thin, nano thickness Average space between the fibers is 1.0µm, with self-filtering

The Nanofiber Filter from is a cutting-edge technology applied to global brands and products

It is exclusively distributed to THE NORTH FACE as the brand FUTURELIGHT.

It is also used for RENERGIE mask pack from LANCOME that touches the skin directly. This technology is used for smart devices that sends sounds but needs protection against dust and moisture.







We asked professor Kim Iksu, the most renowned professor in the fiber research area.

What kind of material is Nanofiber?

The thickness of a nano fiber is only a thousandth of a strand of hair. Nanofiber is a material made by building these fibers sterically for a fishnet structure, and nanofiber of 85% processing rate has both permeability and blockability.

The Nanofibers of LEMON have consistent thickness and pore size. This means the ratio of the pores in the general area becomes very high, which is relevant to permeability.

Because it touches the nose and the mouth, this fiber is very appropriate for masks where permeability is important



The effectiveness of electrostatic masks decreases with each breath due to the moisture Nanofiber Filter has great permeability, so you can feel fresh even after a long term use



Nanofiber smart filter blocks pollutants and enables easier breathing

Wearing mask all day causes skin trouble (C Newspaper)

Must wear permeable masks (M Newspaper)

Pimple breaks out due to wearing masks (National Health Insurance Service blog)

If ou care about the skin, permeability is even more important.

> There is moisture in our respiratory system If a mask has bad permeability, the moisture from within cannot escape, which causes eczema

> > If you wear a mask for a long time, you really need a permeable mask

Because we need to wear it all day, we made it lighter.

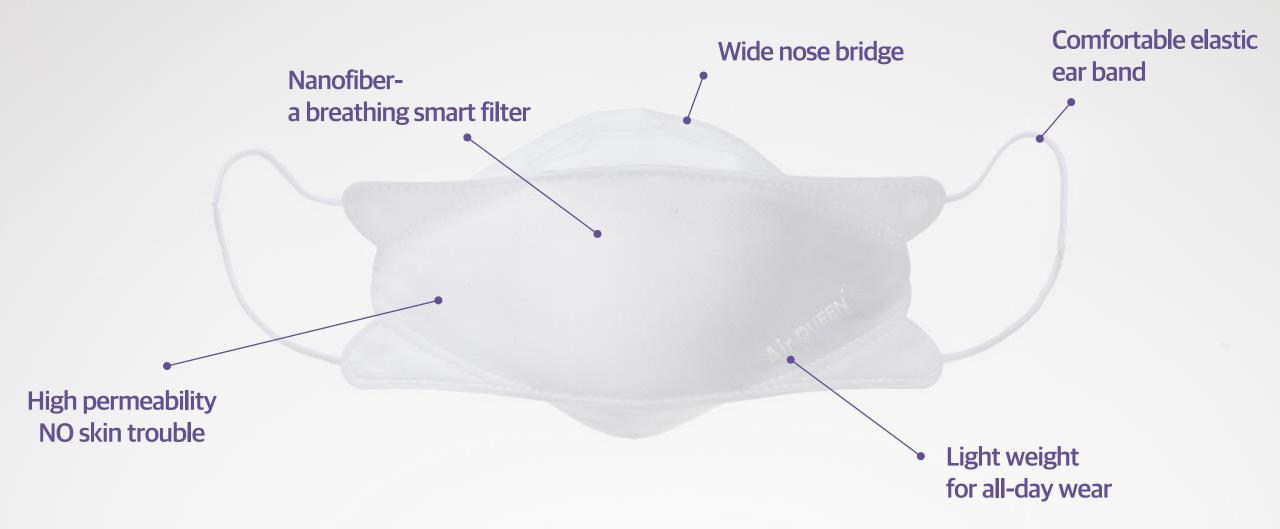
AirQUEEN Nano mask 3.71g

Lighter than a sheet of paper, so you won't even realize wearing it!



3D ergonomic design to fit perfectly on all face types.

Nose bridge prevents sliding or fogging up.





등록특허 10-1040055



DOID 5/00 (2006.01) DOID 13/00 (2006.01) B82Y 40/00 (2011.01)

10-2011-0016676 (21) 출원번호 2011년02월24일 심사청구의자 2011년02월24일

(30) 우선권주장

KR1020070047282 A 전체 청구항 수 : 총 14 학

JP-P-2010-272071 2010년12월06일 일본(JP) (56) 선행기술조사문헌 JP2009052163 A

이재환 경상북도 구미시 산동면 봉산리 366 (주)톱텍 T.3868567나가노현우에다시토키타3-15-1국립대학 법인신쥬대학섬유학부소속 (74) 대리인

주식회사 홈테

(45) 공고일자 2011년06월09일 (11) 등록번호 10-1040055 (24) 등록일자

(73) 특허권자 신슈 다이가쿠

(72) 발명자

2011년06월02일

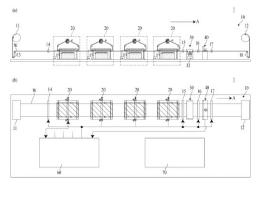
경상북도 구미시 산동면 봉산리 366번지

일본 나가노켓 마쓰모토시 아사히 3쵸메 1반 1고

(54) 전계방사장치 및 나노섬유 제조장치

노즉 블록용 전지 한 상태에서 컨텐터에 고정안을 인가하여 전계 박사를 하는 경우라도 규임한 풍직을 가지는 나노 섬유를 높은 생산성으로 대량생산 하는 것이 가능한 전계방사장치를 제공한다.

컬렉터(150)와, 노즐 블록(110)과, 정전극이 컬렉터(150)에 접속되고, 부전극이 노즐 블록(110)에 접속되는 통시 에 해당 부전극의 전위가 접지 전위로 떨어진 전원 장치(160)를 구비하는 전계방사장치(20)로서, 컬렉터(150)를 둘러싸는 위치에 회전 자유롭게 배설된 절연성 또한 다공성의 엔들리스 벨트로 이루어지는 보조 벨트(172) 및 해 당 보조 벨트(172)를 장착시트(♥)의 이송 속도에 대응하는 회전 속도로 회전시키는 보조 벨트 구동장치(174)를 가지는 보조 벨트 장치(170)를 추가로 구비하는 전계방사장치.



- Patent Registration no.: 10-1040055
- Name of Invention: An electrospinning device and an apparatus for manufacturing nanofiber

The Nanofiber Filter of AirQUEEN Nano Mask is manufactured with patent technology.

- Cutting-edge technology that mass-produces consistent nano fiber filters
- Selected as one of 100 technologies to lead Korea in 2020
- Approximately 50 patents around the world

Nanofiber Filter with excellent permeability and perfect protection from water and dust, used in AirQUEEN Masks, is the fruit of LEMON, a company listed through KOSDAQ. researching and developing nano fiber technology for 14 years





GERMAN CERT Environmental Management System Certificate

DAKS

Outside

Outsid

변경 송선일 : 2018년 11월 23일 연중 반보명 : 2002년 11월 26일

> EF, Songwor-Bidg, Youndo-d This optificate is a sale property of GERM

Back Wook.



189, Jeongwoo Bidg, Yeosido-dong, Eustraeng-to 29, Yeongdanaggo-ga, Sacal, 67238, Kossa Tika-malikani ka saida mangang of CERMAN CHIIT and therefore shall be returned as known in passars. Here file

The Nanofiber Filter of AirQUEEN Mask is produced in a clean and sanitary facility.

- Proven suitable for ISO 9001 quality management system
- Proven suitable for ISO 14001 environment management system

The Nanofiber Filter used for AirQUEEN Masks is produced in a facility approved for environment management system, so it is safe and sanitary.



Test Report No. F690101/LF-CTSAYGA18-00327

Issued Date: 2018. 01. 15. Page 1 of 17

The following sample(s) was/were submitted and identified by/on behalf of the client as:

SGS File No : AYGA18-00327

: Nano membrane (sanitary pad) Product Name

: N/A

: 2018.01.09

Test Period

Received Date

: 2018 01 09 ~ 2018 01 16

Test Requested

: One hundred-Seventy four (174) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on July 7, 2017 regarding Regulation (EC) No 1907/2006 concerning the

Eight (8) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on Sep 5, 2017 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Method

: Please refer to next page(s)

Test Resultis

: Please refer to next page(s)

Summary

: According to the specified scope and evaluation screening, the test results of SVHC are £ 0.1% (w/w) in the articles of the submitted sample

SGS Korea Co., Ltd





Organic solvent and compound not detected



The Nanofiber Filter of AirQUEEN Mask is approved by European SGS, REACH, and RoHS, and therefore is safe.

- Cadmium N/D
- Lead N/D
- Mercury N/D
- Hexavalent chromium N/D
- Other 182 categories N/D

Organic solvent and compound not detected Proven that metal material and harmful compound were not detected.

AirQUEEN Nano Mask is an industrial product that passed the tests of KEMTI and is [currently in process] of being approved by the MFDS

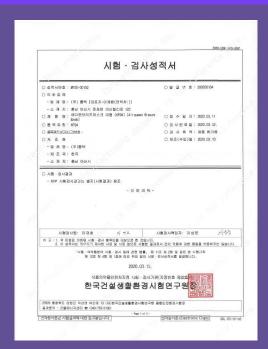
* Korea Environment Merchandise Testing Institute, KEMTI

AirQUEEN Nano Mask

is a product that applied for the KF approval at the MFDS early April of 202 after passing the test done by KEMTI, a testing institute designated by the MFDS.

It is manufactured with the same technology as Technoweb Disposable dustproof mask (KF94) from FTENE, the subsidiary company of TOPTEC, but if the manufacturer or brand is changed, the approval from the MFDS needs to be renewed, and until then, it cannot be publically distributed.

However, after the KF certification, 80% of the supply will be distributed as public, so there might be a shortage



We are currently also waiting for the result of N95 and CE certification.

Quality Indication According to Electric Products and Household Safety Law

Product: AirQUEEN Mask

Manufactured in: Korea

Manufacturer: TOPTEC

Distributor: TOPTEC

• Weight: 4.38g

Product Type: Mask

Expiry Date: 36 months

Storage Directions: closed container, in room temperature (1~30°C)

 Entire Ingredients: felt (outer fabric, filter, inner fabric), plastic sheath wire, polypropylene ring, nylon strap















AirQUEEN Mask is an industrial product.



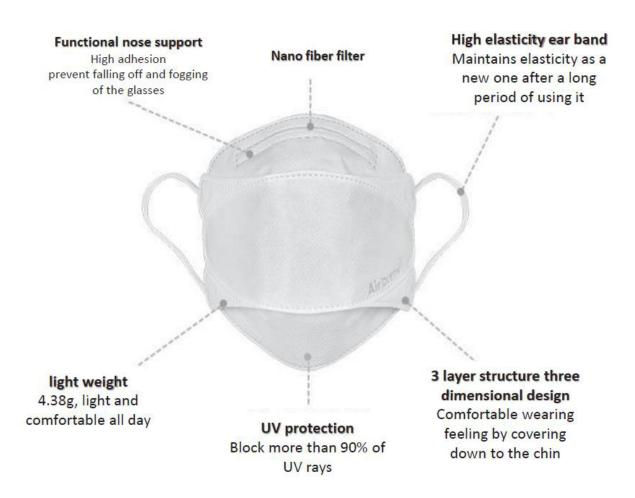
Air QUEEN

The Vital Shield for You and Your Loved Ones





NANO FILTER TECHNOLOGY

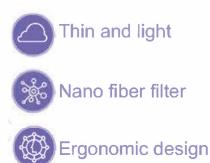




Introducing Air QUEEN mask from Korea It's a mask with a difference

The upcoming Korean brand that has manufactures its products under the guidance of researchers and analyses and understands the problems of its consumers. Air QUEEN tries to bring in the best of technology and information to provide wholesome benefit to customers.







xperien h bvious ifference i h i queen mask

It cover from the nose to the chine **completely**, and efficiently blocks the inhaling of the fine-dust through the adhesion structure, also show **high stillity** when wearing one.

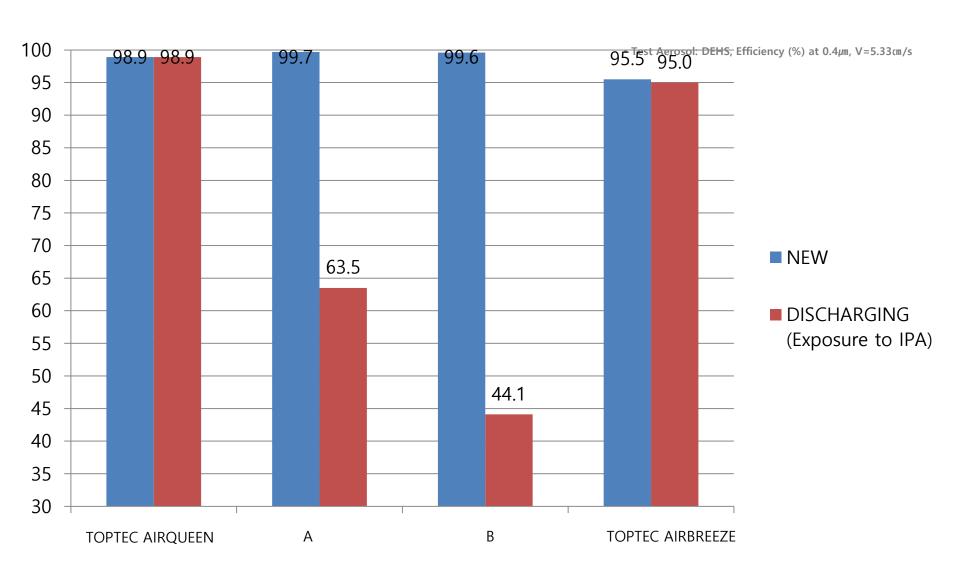
Completes outside harmful substance completely through Nano fabric filter.

Comfortable wearing feeling by covering down to the chin through 3 layer structure three dimensional des g

Lighter than 1 piece of A4 paper!

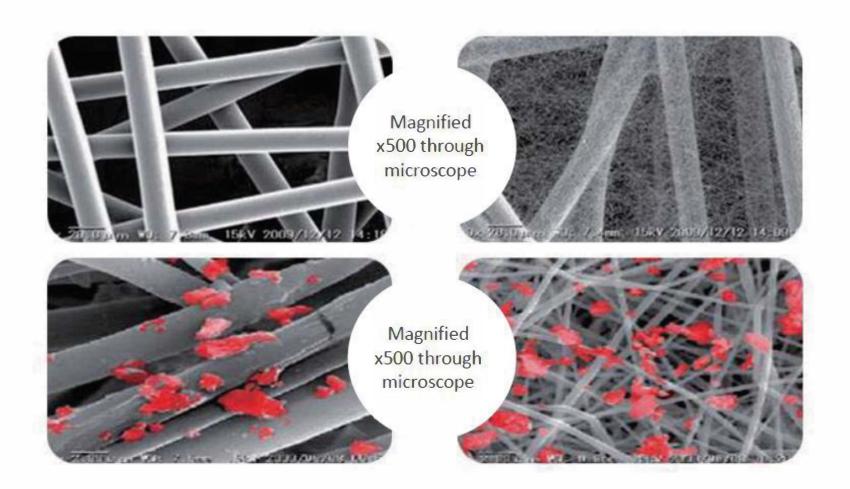


MASK COMPARISON TEST





THE DIFFERENCE BETWEEN NANO FILTER AND NORMAL FILTER





THE DIFFERENCE BETWEEN NANO FILTER AND NORMAL FILTER

The pre-existing static filter

The pre-existing static filter uses the method where the dust sticks to the fabric due to static.

As a characteristics of the static, if moisture occurs due to breathing or is brought in from the outside, the filtering efficiency drops drastically.

Our company's Nano fiber filter

Fine-dust has been filtered on the densely tangled Air queen Nano fabric. It filters through a Nano fabric structured not instead of static, it maintains high filtering efficiency for 24 hours even when it contacts with moisture.



LIGHTER THAN ANY OTHER MASK

It is light and comfortable all day, as if you are not wearing one.



Pre-existing mask over 5g

Air queen mask, lighter than 1 piece of A4 paper! 4.38g (A4 paper 4.72g)

The pre-existing Mask is hard to breathe in because it's too thick.

Next generation new material Nano Membrane that lets the air through



BREATHING FIBER

\$ 40.0 REGULAR MASK **NANO MASK** Regular mask with little change due to no air flow **\$** 40.0 **NANO MASK** Tested by thermal camera Nano-Mask that breathes well and releases moisture, carbon dioxide, and heat from your breath

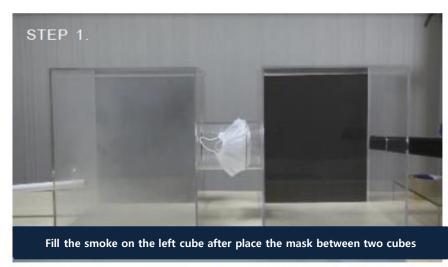
Most existing masks are less efficient due to moisture generated when breathing in an electrostatic manner.

NANO-membreane is 0.1 μ m larger than air particles and smaller than harmful particles, and is filtered by the nanofiber structure itself, allowing for long wear and breathability, blocking, and durability.

'Nano Membrane'



NICOTINE FILTERING TEST





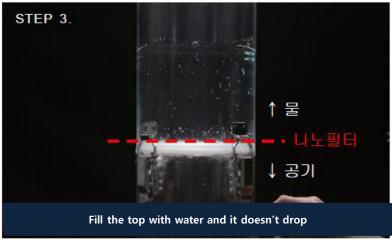


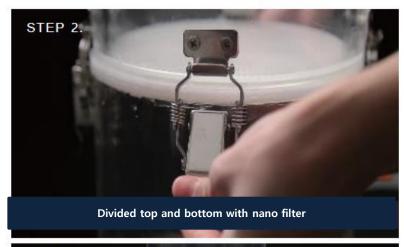




AIR VENTILATION TEST













STEP 1

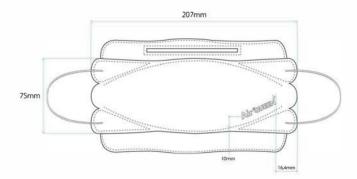
Hang the ear band to ears and adjust dotted line to your jawline

STEP 2

Check if both jawline stick to your mask

STEP 3

Press the nose wire and make sure if it fits the face



Cautions

- Do not use in environment of oxygen concentration that is less than 18%
- Do not use if the inner side is polluted
- Do not use if the mask is out of shape
- Do not wash and reuse the mask
- In case of pregnant woman, respiratory and cardiovascular disease patient, kids, the old and the infirm, please consult your doctor for advice if breath is not comfortable after using



CERTIFICATIONS

CE CERTIFICATION

UNIVERSAI



EU TYPE EXAMINATIO 'CERTIFICATE

Certificate No: 2163-PPE-1433

Respiratory protective devices, filtering half masks to protect against particles manufactured by

TOPTEC CO., LTD.

140-22, Cheomdangicop 5-ro, Sandong-myeon, Gumi-si, Gyeongsanghuk-do, Republic of Korea are tested and evaluated according to

EN 149:2001 + A1:2009 Respiratory Protective Devices -Filtering Half Masks to Protect Against Particles -Requirements, Testing, Marking

Based on the type examination conducted with the evaluation of test reports, technical file according to Personal Protective Equipment Regulation (EU) 2016/425 Asmex 5, it is approved that the product mosts the requirements of the regula

Product Definition

Brand Name: Air Queen Model: Breeze Mask Filtering half mask Classification: FFP2 NR

Here by the manufacturer is allowed to use notified body number (2163) and can fix CE mark, as shown below, on the Category III product models given above, with;

storm octow, on the Languay III product models given above, with, Issuing an appropriate EU Declaration of Conforming securities polyrected protectine Equipment Regulation (EU) 2016-025 Asset 9

Ological guestessil performance in Infillment of the requirements set out in Personal Protective Equipment Regulation (EU) 3016-025 and harmonized standards, created by accessments based on Annex 7 (Modelac CL) or Asset 2 (Modelac II) or of the distribution of the Conforming Conformi gulation no later than I year from the beginning of serial pr

This certificate is initially issued on 11/09/2020 and will be valid for 5 years, if there is no change in the relevant harmonised sundand affecting the essential health and safety



Sout KACMAZ

Verify Issued Certificate

Certificate Nr

Company Name (Min First 3 Letters'



Please do not request e-mail verification in case you can verify the certificate with scanning QR Codes. Please compare the information results on the query result on the web page and on the certificate on your side when you make query by QRCode or manual.

The certificate holder, certificate number, standard and model name (if exists) must match.

Query Results

TOPTEC CO., LTD. Certificate Holder 2163-PPE-1433 Certificate Nr

Certificate Type EN 149+A1:2009 Module B, EU Type Examination Certificate

Air Queen / Breeze Mask FFP2 NR Model Name

11/09/2020 Valid Through 10 / 09 / 2025 Valid Until 11/09/2020 Issue Date Status



CERTIFICATIONS

510k fda Cleared



TOPTEC CO.	KOREA, REPUBLIC OF	3016790437	2020
Mask_Surgical - QUEEN NANO I	AIR COOL GREEN MASK: MASK: Nano Mask: PURE N	Manufacturer	

Establishment Registration & Device Listing

• FDA Home • Medical Devices • Databases New Search Back To Search Results AIR COOL GREEN MASK; AIR QUEEN; AIR QUEEN BREEZE; Proprietary Name: AIR QUEEN NANO MASK, Nano Mask, PURE MASK, TECHNO WEB; TECHNOWEB Classification Name: MASK, SURGICAL Product Code: FXX Device Class: Regulation Number: 878.4040 Medical Specialty: General & Plastic Surgery Registered TOPTEC CO LTD Establishment Name: Registered 3016790437 Establishment Number: Premarket Submission K172500 Number: Owner/Operator: TOPTEC Co. LTD. Owner/Operator 10072713 Number: Establishment Manufacturer Operations:



HALAL CERTIFICATIONS



한국할랄인증서

CERTIFICATE OF KOREA HALAL

korea Jalal

인증번호 (Certification No) KHA-20F-00362904

한국활발인증원(KHA)은 아래 조직에서 생산되는 제품에 대하여 다음 인증규격의 요구사항 에 적합함을 인증합니다.

Korea Halal Authority(KHA) certifies that product manufactured by the Below organization complies with the requirements and certification scope of the following certification standards.

회사명(Name of Company): 주식회사 흠택/ TOPTEC CO., Ltd

외사주소(Company Address): 충남 아산시 둔포덴 이산벨리로 122 122, Asanvalley ro, Dunpo-myeon, Asan-si, Chungcheongnam-do, Korea

인증제품명(Name of Products): 나노 마스크(Air Queen)/ Nano Mask(Air Queen)

인증규격(Certification standard): KHAS 29000-알랄 공산용품 일반 규칙 KHAS 29000-General Standards For HALAL Industrial Products

이 인증서에 명시되지 않은 다른 제품들은 할말 제품으로 인정하지 않습니다. We do not approve of any other products not specified in this certificate as Halal.

인증발행일자(Certification Date of issue): 29.04.2020 인증만료일자(Certification Expiration Date): 28.04.2021

30649

데 표 이 사 Chief Executive Officer Safiah Weon-Suk Kim

한국할랄인증원 KOREA HALAL AUTHORITY





n in/exhalation test



Sportson Kyungnan Chung Toptec Co., Ltd. 140-22, Oworniangeop 5-ro, Sandong-myeon Gumi-si, Gyeorgs-arginis-do. 39171

Determination of Inhalation and Exhalation Resistance for Air-Purifying Respirators Final Report

Test Article: Air Queen Breeze Mask Study Number: 1295788-S01 Study Received Date: 04 May 2020

Testing Facility: Nelson Laboratories, LLC 8200 S. Redenasi Rd.

Salt Lake City, UT 84123 U.S.A.

Devation(s): None

Test Procedure(s): Standard Test Protocol (STP) Number: STP0145 Rev 05

Summary: This procedure was performed to evaluate the differential pressure of componented airpurifying particulate respirators in accordance with 42 CFR Part 84 180. The sir exchange differential or breathability of respirators was measured for inhabition resistance using NIOSH procedure TEB-APR-STP-0007 and exhalation resistance with NIOSH procedure TEB-APR-STP-0003. The differential pressure technique is a simple application of a basic physical principle employing a water instruction differential applicant and downstroom of the test material, at a constant flow rate

According to 42 CFR Part 84.64, pretesting must be performed by all applicants as part of the application process with NOSH. Results seen below are part of that pretesting and must be submitted to and accepted by NIOSH for respirator approval.

The inhalation resistance orders as stated in 42 CFR Part 64.160 is at initial inhalation not exceeding 35 nim water occurre height pressure. The test articles submitted by the sported conform to this NOSH. criterion for pirflow resistance.

The exhalation resistance criteria as stated in 42 CFR Part 64.180 is an initial exhalation not exceeding 25 mm water column height pressure. The test articles submitted by the sporsor conform to this NIOSH critision for sirlow resistance

All test method acceptance criteria were met. Testing was performed in compliance with US FDA good manufacturing practice (GMP) regulations 21 CFR Plais 210, 211 and 820.



Sean Shepherd electronically approved for Study Director

Curtis Gerow

27 May 2020 17:39 (+00:00) Study Completion Date and Time



Study Number 1295788-S01 Determination of Inhalation and Exhauation Resistance for Air-Purifying Respirators Final Report

Requite

Test Article Number	Inhalation Resistance (mm H ₂ O)	Exhalation Resistance (rum H ₂ O)
*	8.8	8.1
2	8.4	8.3
3	8.2	7.9

Test Method Acceptance Criteria: The resistance measurement for the reference plate must be within z 3 standard deviations of the mean established in the control chart,

Procedure: A complete respirator was mounted to a test fixture comprised of a metal plate with an approximate 3.5 inch diameter hole in the center to allow arriow to reach the mask. The sample holder was assembled by placing a Piexiglas collar around the test fixture and topping with another metal disc with a 3.5 inch opening in the center. The sample holder is held bightly together with clamps and connected to an air source. The manameter is attached to the sample holder by a connection port on the Plexidas collar.

Before festing, the manoment was zeroed and the back pressure in the sample holder checked and verified to be acceptable. Resistance measurements were laken with a manometer capable of measuring at least 0 inches of water. For inhalation leasing, a negative arriow hazcuum) was applied. For exhalation testing, a positive arriow (compressed air) was used. Arriow was passed through the sample holder at approximately 85 ± 2 liters per minute (L/min).



405-290-7500 neisonlabs.com seles@neisonlabs.com

Page 2 of 2

NELSON NACL AEROSOL TEST REPORT



Sponsor Kyunghan Chung Toptec Co., Ltd. 140-22. Oreundanging 5-ro, Sandang-myeon Gumi-si, Gyeongangbal-do, 39171 KOREA, REPUBLIC OF

Sodium Chloride (NaCl) Aerosol Test Final Report

Test Article: Air Queen Breeze Mask Study Number: 1295789-S01

Study Received Date:
Testing Facility:

04 May 2020
Nelson Laborationies, LLC
6280 S. Redwood Rd.
Salt Lafte City, UT 84123 U.S.A.

Test Procedure(s): Standard Test Protocol (STP) Number: STP0014 Rev 09

Deviation(s): None

Summary: This procedure was performed to evaluate particulate fifter peretration as specified in 42 CFR Part 84 and TEB-APR-STP-0059 for requirements on a M95 respirator. Respirators were conditioned their tested for particle perientation against a polydispersed, sodium chordie (NatO) particulate aerosol. The challenge aerosol was dired, neutralized, and passed through the test article at a convertination not exceeding 200 mg/m³. The initial airflow resistance and particle perietration for each respirator was determined.

Accurding to 42 CFR Part 84,64, pretesting must be performed by all applicants as part of the application process with NIOSH Results seen below are part of that pretesting and must be submitted to and accested by NIOSH for respirator approval.

All test method acceptance criteria were met. Testing was performed in compliance with US FDA good manufacturing practice (GMP) regulations 21 CFR Parts 210, 211 and 820.



Robert Dieker electronically approved for

Study Director

Curtis Gerow

02 Jun 2020 15:37 (+00:00) Study Completion Date and Time

Page 1 of 3

AND THE RESIDENCE OF THE PROPERTY OF THE PROPE



Study Number 1295789-S01 Sodium Chloride (NaCl) Aerosol Test Final Report

Results: The NIOSH NII6 filter efficiency as stated in 42 CFR Part 84.181 is a minimum efficiency for each filter of 260% (55% penetration). The test articles submitted by the sponsor conform to the NIOSH NISO criteria for filter efficiency.

Test Article Number	Corrected Initial Airflow Resistance (may 140)	Maximum Particle Penetration (%)	Filtration Efficiency (%)
	14.5	1.59	98.41
2	15.8	1,54	98.46
3	15.4	1.88	98.12
-4	13.4	1.93	98.07
5	11.5	3.79	96.21
6	12.2	2.98	97.02
7	12.4	3.40	96.60
6	12.6	2.42	97.58
9	12.6	2.06	97.94
10	12.1	3.77	96.23
11	12.0	3.97	96.03
12	13.2	2.04	97.96
13	14.4	2.12	97.88
14	13.6	2.46	97.54
15	2.0	0.308	99.694
16	11.9	2.43	97.57
17	14.4	2.03	97.97
18	14.2	2.47	97.53
19	12.7	2.14	97.88
20	12.0	2.25	97.75

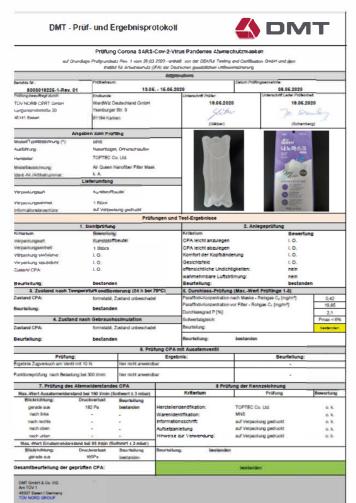
[&]quot; The final airflow resistance value for each test article was determined by subtracting out the background resistance from the system.

Test Method Acceptance Criteria: The filter tester must pass the "Tester Set Up" procedure. The airflow resistance and particle penetration of the reference material must be within the limits set by the manufacture.

801-290-7500 neisonlabs.com sales@neisonlabs.com neisonlabs.com neisonlabs.com neisonlabs.com



TUV TEST REPORT



5. Durchlass-Prüfung (MaxWert Prüflinge 1-3)				
Paraffinöl-Konzentration nach Maske - Reingas C ₂ [mg/m³]:	0,42			
Paraffinöl-Konzentration vor Filter - Rohgas C ₁ [mg/m³]:	19,85			
Durchlassgrad P [%]:	2,1			
Sollwertabgleich:	Pmax < 6%			
Beurteilung:	bestanden			
Beurteilung: bestanden				

7. Fruiting C	des Atemwiderstand	CS CI A	
MaxWert Ausatemwiderstand bei 160 l/min (Sollwert ≤ 3 mbar			
Blickrichtung:	Druckverlust	Beurteilung	
gerade aus	182 Pa	bestanden	
nach links	â	3. *	
nach rechts	÷		
nach oben	2		
nach unten	*	-	
MaxWert Einatemwic	derstand bei 95 I/min (Sollwert ≤ 3 mbar)	
Blickrichtung:	Druckverlust	Beurteilung	
gerade aus	165Pa	bestanden	

Gesamtbeurteilung der geprüften CPA:



SGS

Test Report No. PSSO1017LF-CTSAYHA20-11682

issued Date: 2020, 09 03 Page 1 of 2

TOPTEC CO., LTD 122 Asanvalley-ro, Dunpo-myeon Asan-si, Chungcheongnam-do

The following sample(s) was/were submitted and identified by/on behalf of the client as:-

SGS File No. AYHA20-11582

Product Name AIRQUEEN BREEZE MASK

Itam No./Part No. : N/A 2020 08.31 Received Date

Teet Period 1 2020 C6 31 to 2020 09 03

Report Comments The test part was selected by client's request. Teet Results For further details, please refer to following page (s)

SGS Kores Co. Ltd.

Tommy On / Chemical Lab Mgr

Test Report No PESOIDIALF-CTSAYHA20-11682 Issued Date: 2020, 09, 03 Page 2 of 2

Sample No. :: AYHA20-11682.001

Sample Description : White fabric (outer+inner+filter)

item No./Part No. : N/A Materials : N/A

DMAc (N,N-Dimethylacetamide)

Test Item(s)	Unit	Test Method		Results
DMAc (N,N-Dimethylacetamide)	mg/kg	Ultra sonic extraction with Methylene Chloride / GC-MS	10	N.D.

(1) N.D. - Not detected (< MDL) NOTE:

(2) mg/kg - ppm

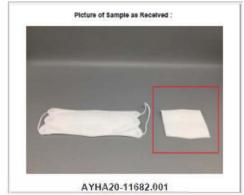
(3) MDL - Method Detection Limit.

(4) - + No regulation

(5) - Quartaine analysis (No Unit)

(6) Negative - Undetectable / Positive - Detectable

(7) The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This lest report is not related to Korea Laboratory Accreditation Scheme.



"" End of Report ""

This document is secured by the discussion purples to increase of security prices operand, resistant on request or proceedings at the common purples. The security prices of the common purples of the

CQP-7081-F01 (01)

\$660 Karee Co., Ltd. 322, The Crysley, 76, L5-ts, Dargen-ya, Anyang-si, Gyeonggi-de, Karee 14117 t +62 (321 4600 000 f +62 (321 4600 000) f +62 (321 4600 000)

Member of the SGS Group (Sociale Generals de Surveillance)



CERTIFICATIONS

ISO 9001

ISO 14001

OHSAS 18001

ISO 13485



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Continue No. 1840080015

Certificate of Registration

QUALITY MANAGEMENT SYSTEM

This is to certify that the quality management system of the quality management system of the quality management system is an included to the continue of the quality management system is an included to the following product or service ranges:

Design, Manufacturing and Sales of Masks

Insur Date: Jul. 27, 2020

Certification to the Jul. 20

Certification Name	Certification Contents	Certification Date	Remarks
ISO 9001	Quality management system	Jul. 2017	
ISO 14001	Environment management system	Jul. 2017	
OHSAS 18001	Occupational health and safety management system	Jul. 2016	
ISO 13485	Design, Manufacturing and Sales of Masks	Jul. 2020	





Certificate No: RMDM0013

Certificate of Registration

QUALITY MANAGEMENT SYSTEM

This is to certify that the quality management system of

TOPTEC Co. Ltd.,

at

122, Asanvalley-ro, Dunpo-mycon, Asan-si, Chungcheongnam-do, Korea

Has been found to conform to the Quality Management System Standards:

KS P ISO 13485:2016 / ISO 13485:2016

This Certificate is valid for the following product or service ranges:

Design, Manufacturing and Sales of Masks

Issue Date : Jul. 27, 2020

Certification Date: Jul. 27, 2020

Valid Date : Jul. 26, 2023





Authorized By

E J Harang

Eun-Ju Hwang, President



Quality Management System Certificate GERMAN CERT

TOPTEC Co., Ltd.

#122 Asan valley-ro, Dunpo-myeon, Asan-si, Chungcheongnam-do, Korea

German Cert Co., Ltd. Hereby certifies that the Quality Management System of the above organization has been evaluated and found to be in line with the requirements of the following standard:

ISO 9001:2015 / KS Q ISO 9001:2015

For the scope of

Design, Development and Manufacture of Automatic Facility and Machine

Certificate Number:

GCQ-202035

Initial Certification Date :

30 July 2005

Certification Date :

29 July 2020

Expiry Date:

28 July 2023

Issue Date :

24 July 2020



Scheme Manager





as a certification body of Qualification (Accordination number : IGAS-QC-06)

GEFRIAN CERT Co., Ltd is according by Yorks Anorodistron Board



ISO 9001

REGISTERED



OH&S Management System Certificate GERMAN CERT

TOPTEC Co., Ltd.

#122 Asan valley-ro, Dunpo-myeon, Asan-si, Chungcheongnam-do, Korea

German Cert Co., Ltd. Hereby certifies that the Occupational Health & Safety Management System of the above organization has been evaluated and found to be in line with the requirements of the following standard:

ISO 45001:2018 / KS Q ISO 45001:2018

For the scope of

Design, Development and Manufacture of Automatic Facility and Machine

Certificate Number:

GCO-200011

Initial Certification Date |

29 July 2016

Certification Date :

28 February 2020

Expiry Date :

28 July 2022

Issue Date :

24 July 2020

(Rev. I-TS)



Scheme Manager





GERMAN CERT Co., Ltd. is accredited by "Korea Accreditation Scient" as a certification body of Oxcapational Health and Sofety management system, (Accreditation number: "KAB-CC-32")

KAB-OC-32



GERMAN CERT



GERMAN CERT

OH&S Management System Certificate

TOPTEC Co., Ltd.

#122 Asan valley-ro, Dunpo-myeon, Asan-si, Chungcheongnam-do, Korea

German Cert Co., Ltd. Hereby certifies that the Occupational Health & Safety Management System of the above organization has been evaluated and found to be in line with the requirements of the following standard:

OHSAS 18001:2007

For the scope of

Design, Development, Manufacture and Service of Automatic Facility and Machine

Certificate Number:

KorO-160013

Initial Certification Date: 29 July 2016

Certification Date :

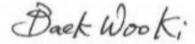
29 July 2019

Expiry Date:

28 July 2022

Issue Date :

26 July 2019



Scheme Manager







Environmental Management System Certificate GERMAN CERT

TOPTEC Co., Ltd.

#122 Asan valley-ro, Dunpo-myeon, Asan-si, Chungcheongnam-do, Korea

German Cert Co., Ltd. Hereby certifies that the Environmental Management System of the above organization has been evaluated and found to be in line with the requirements of the following standard:

ISO 14001:2015 / KS I ISO 14001:2015

For the scope of

Design, Development and Manufacture of Automatic Facility and Machine

Certificate Number :

GCE-200769

Initial Certification Date :

30 July 2005

Certification Date

29 July 2020

Expiry Date:

28 July 2023

Issue Date :

24 July 2020



Scheme Manager





(secreditation number: KAB-EC-33) is according by Konas Accrecitation Brand (KAB)

