FFP2 Mask Product Introduction

Model: DOC-NFW

High Efficiency Filtration

Strict Protection

3D Design

Technical Parameters

Technical Parameters 技术参数			
型号 Model	DOC–NFW	产品主材/Mask Materials	
级别 Level	FFP2	一层（外层） 1st–layer （Outermost）	75g 无纺布 Non–woven fabric
口罩尺寸 Mask Size	20cm*8cm	二层 2nd–layer	25g 熔喷布 Melt spray cloth
重量 Weight	5g	三层 3rd–layer	25g 熔喷布 Melt spray cloth
佩戴方式 Wearing Method	耳带 Ear–Loop	四层 4th–layer	30g 无纺布 Non–woven fabric
耳线长度 Ear Cord Length	18cm	五层 5th–layer	/
形状 Shape	鱼型 Fish–Type	呼气阀 Exhalation valve	/
配件 Accessories		挂钩 hook up	

Packaging Information

合 格 证

CERTIFICATION

DOC-NFW防护口罩

DOC-NFW Filtering Half Mask

规格/Specification: 380*80mm

执行标准/Executive Standard: EN 149:2001+A1:2009

原材料/Row Material: 65 %纺粘布/Non-woven Fabric, 35 %熔喷布/Melt-blown Fabric

有效期/Shelf Life: 2年/Years

生产批号/Production Batch: DOC20200901

生产日期/Production Date: 2020.09.01

检验/Test: 合格/Qualified

新石器科技股份有限公司

NEOLITHIC TECH CO.,LTD.

广州市南沙区市南路13号1栋

Building 1,No.13, Shinan Road, Nansha District, Guangzhou, China

本产品经检验符合规定的质量标准要求，准予出厂。

This production has been tested to be qualified for delivery in conformity with standard.

FFP2 / DOC-NFW (NON-EXHALATION VALVE)			
产品描述 Product Description	每盒数量 PCS/BOX	每箱盒子数 BOXES/CTN	每箱数量 PCS/CTN
Fish-Type Ear Ribbon	25	32	800
盒子规格 BOX SIZE(mm)	箱子规格 CTN SIZE(mm)	净重 NW	毛重 GW
125*100*255	530*425*530	8.1	9.6

Instruction

Information of Manufacturer
Manufacturer: NEOLITHIC TECH CO.,LTD.
Address: Building 1,No.13, Shinan Road, Nansha District, Guangzhou
Tel: +86 20 84557556
Email: mask@neolithage.com Website: www.neolithage.com

The EU declaration of conformity accompany with product.
EU- Type Examination Notified Body
Notified Body: AENOR INTERNACIONAL S.A.U.
Address: Génova, 6. 28004 Madrid. Spain
Notified Body No.: 0099

Quality Assurance of the Production Process Notified Body
Notified Body: SGS Fimko Oy
Address: Takomotie 8, FI-00380 Helsinki, Finland
Notified Body No.: 0598

Please read this User Information Sheet carefully before using this product. This product complies withthe requirements of EU Regulation (EU) 2016/425 for Personal Protective Equipment and meets therequirements of European standard EN149:2001+A1:2009.

Check before use
The mask must be selected properly for intended application. An individual risk assessment must be evaluated. Check the mask that it is undamaged with no visible defects. Check that the expiry date has not been reached (see the packaging). Check the protection class (FFP1 NR/ FFP2 NR/ FFP3 NR) is appropriate for the product used and its concentration. Do not use the mask if a defect is present or the expiry date has been exceeded.
This product is designed to protective against the risks:
These devices are designed to protect against both solid and liquid aerosols.

Risk	Standard Clause	Assessment method
Penetration of particle	EN 149:2001+A1:2009, clause 7.9.1 and 7.9.2	Total inward leakage test, Penetration of filter material

Easy to Use
1. Unfold the mask.
2. Position the mask under the chin covering mouth and nose.
3. Adjust the harness to make it comfortable
4. Press soft nosepiece to conform snugly around the nose.
5. To check fit, both hands over the mask and exhale vigorously. If air flows around nose, tighten the nosepiece. If air leaks around the edge, reposition the harness for better fit. Re-check the seal and repeat the procedure until the mask is sealed properly.

Usage/ Limitations
This respirator is suitable for use in protection against the non-toxic solid and liquid aerosols. Do not use out of the scope of use defined in the warnings.
FFP1 NR: Filter Efficiency 80%; Examples of applications are Handling of stone / rubble / cellulose.

DOC-NFW

FFP2 NR: Filter Efficiency 94%; Examples of applications are Sanding of soft wood, composite materials, rust, putty, plaster, plastics / cutting, deburring, grinding, drilling of metal.
FFP3 NR: Filter Efficiency 99%; Examples of applications are Sanding of hard wood (beech, oak) / treatment of wood using copper, chrome or arsenic based products / impact stripping of paint / sanding of cement.

Warnings
1.Failure to follow all instructions and limitations on the use of this product, or failure to achieve proper fit, may result in damage to your health.
2.A properly selected respirator is essential to protect your health. Before using this respirator consult a suitably qualified safety professional to determine the suitability of the product for your intended use.
3.This product does not supply oxygen. Use only in adequately ventilated areas containing sufficient oxygen to support life. Do not use this respirator when the oxygen concentration is less than 19.5%.
4.Do not use when concentrations of contaminants are immediately dangerous to health or life. Do not use this product in an explosive atmosphere.
5.Leave the work area immediately if: a) breathing becomes difficult or b) dizziness or other distress occurs.
6.Facial hair, beards and certain facial characteristics may reduce the effectiveness of this respirator.
7.Never alter or modify this respirator in any way (except as indicated in the instructions).
8."NR" means this filtering half mask shall not be used for more than one shift. No maintenance is necessary. Discard respirator after use or if damaged in any way.
9.The length of time this respirator can be used depends on contaminants present but should not exceed one shift. The respirator should be replaced sooner if breathing becomes difficult.
10.Keep respirators in the display box away from direct sunlight or contaminants until use. Ambient storage conditions as temperature between -30℃ to +70℃, and relative humidity <80%.
11.Unless this is fitted according to the "Easy to use" instructions the respirator will not provide the expected level of protection.
12.This respirator is suitable for use in protection against the non-toxic solid and liquid aerosols.
13.Failure to achieve proper fit may result in serious health damage .
14.The respirators must be stored and transported in their original package and protected by the storage temperature and humidity as suggested by the manufacturer.

Marking

Marking on Product	Description on label	Explanation
DOC-NFW FFP2 NR EN149:2001+A1:2009 CE 0598	DOC	Identification Mark
	DOC-NFW	Product Identification
	CE 0598	CE mark
	EN149:2001+ A1:2009	Number of European Standard
	FFP2 NR	Protection Category

2 years after manufacture date (on packaging)

Recommended Conditions of Storage

EU DECLARTION OF CONFORMITY

_NEOLITHIC TECH CO.,LTD.

EU DECLARATION OF CONFORMITY

We Manufacturer: NEOLITHIC TECH CO.,LTD.
Address: Room 108, Building 1, No.13, Shinan Road, Nansha District, Guangzhou, China

Declare that the product detailed below:

Filtering half mask
Model: DOC-NFW
Class: FFP2 NR
Trademark:

Satisfies the requirement of the Council Directives:
2016/425/EU
Essential health and safety requirements Guaranteed

and conforms with the norms: EN 149: 2001+A1: 2009

Module B
NOTIFIED BODY: AENOR INTERNACIONAL
NUMBER: 0099

Manufacturing plant surveillance through Module D:
NOTIFIED BODY: SGS FIMKO OY
NUMBER: 0598

Signed for and on behalf of：NEOLITHIC TECH CO.,LTD.

Place and date of issue:
Room 108, Building 1, No.13, Shinan Road, Nansha District, Guangzhou, China
2020/08/04

Name： Li Jun
Function： General Manager

Signature:

Moudle B+Moudle D

AENOR

Certificado de Examen UE de Tipo
EU Type-Examination Certificate

A18/000044

AENOR, como organismo notificado (nº 0099) para el Reglamento (UE) 2016/425, ha emitido este certificado a favor de
In compliance with Regulation (EU) 2016/425, the notified body AENOR (nº 0099) has issued this certificate to

NEOLITHIC TECH CO., LTD.

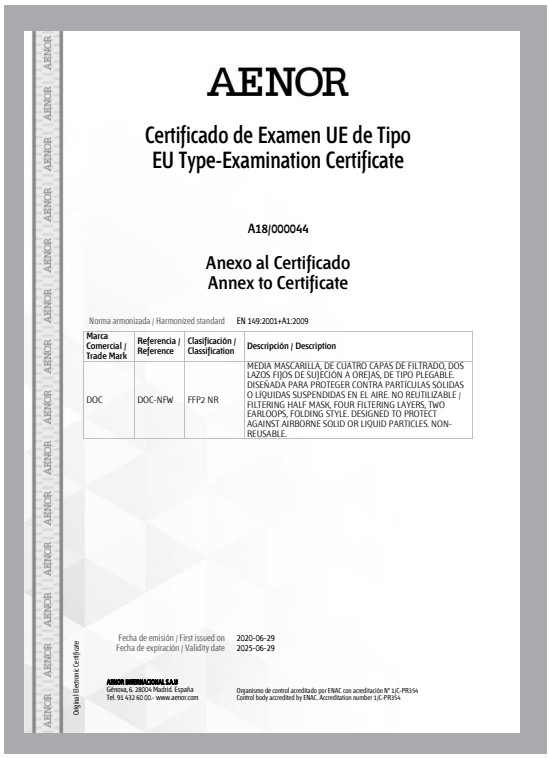
Domicilio social / Registered office	Building 1, No. 13, Shinan Road Nansha District, Guangzhou (China)
para el producto / for the product	Dispositivos de protección respiratoria. Medias máscaras filtrantes de protección contra partículas. / Respiratory protection devices. Half filter masks to protect against particles.
conforme con el Reglamento / in compliance with Regulation	Reglamento UE 2016/425 de Equipos de Protección Individual (Regulation EU 2016/425 on Personal Protective Equipment)
Norma armonizada / Harmonized standard	EN 149:2001+A1:2009
	Más información en el anexo / See annex for more information.
Centro de producción / Production site	Building 1, No. 13, Shinan Road Nansha District, Guangzhou (China)
Esquema de evaluación / Assessment scheme	Anexo V (Examen UE de Tipo – Módulo B) del Reglamento (UE) 2016/425.
	Annex V (EU Type-examination – Module B) of Regulation (EU) 2016/425.
Fecha de emisión / First issued on	2020-06-29
Fecha de expiración / Validity date	2025-06-29

Rafael GARCÍA MEIRO
Director General / CEO

Original Electronic Certificate

AENOR INTERNACIONAL S.A.U.
Génova, 6. 28004 Madrid. España
Tel. 91 432 60 00.- www.aenor.com

Organismo de control acreditado por ENAC con acreditación Nº 1/C-PR354
Control body accredited by ENAC. Accreditation number 1/C-PR354



AENOR

Certificado de Examen UE de Tipo
EU Type-Examination Certificate

A18/000044

Anexo al Certificado
Annex to Certificate

Norma armonizada / Harmonized standard EN 149:2001+A1:2009

Marca Comercial / Trade Mark	Referencia / Reference	Clasificación / Classification	Descripción / Description
DOC	DOC-NFW	FFP2 NR	MEDIA MASCARILLA, DE CUATRO CAPAS DE FILTRADO, DOS LAZOS FIJOS DE SUJECIÓN A OREJAS, DE TIPO PLEGABLE. DISEÑADA PARA PROTEGER CONTRA PARTICULAS SOLIDAS O LIQUIDAS SUSPENDIDAS EN EL AIRE. NO REUTILIZABLE / FILTERING HALF MASK, FOUR FILTERING LAYERS, TWO EARLOOPS, FOLDING STYLE. DESIGNED TO PROTECT AGAINST AIRBORNE SOLID OR LIQUID PARTICLES. NON-REUSABLE.

Fecha de emisión / First issued on 2020-06-29
Fecha de expiración / Validity date 2025-06-29

Original Electronic Certificate

AENOR INTERNACIONAL S.A.U.
Génova, 6. 28004 Madrid. España
Tel. 91 432 60 00.- www.aenor.com

Organismo de control acreditado por ENAC con acreditación Nº 1/C-PR354
Control body accredited by ENAC. Accreditation number 1/C-PR354

SGS

Certificate CN20/42172

The management system of

NEOLITHIC TECH CO., LTD.

Building 1, No. 13, Shinan Road, Nansha District,
Guangzhou , Guangdong Province, 511400, P.R. China

has been assessed and certified as meeting the requirements of

Regulation (EU) 2016/425
Module D

For the following activities

Manufacture of FFP1/FFP2 /FFP3 Protective Respirators
(Note: all products marked CE0598 must have a valid EU Type Examination Certificates issued under Module B or a valid EC type-examination certificate issued under Article 10 of the PPE Directive 89/686/EEC.)

This certificate is valid from 4 August 2020 until 3 August 2023
and remains valid subject to satisfactory surveillance audits.
Re certification audit due before 24 July 2023
Issue 1. Certified since 4 August 2020

Authorised by

FINAS
Finnish Accreditation Service
S003 (EN ISO/IEC 17065)

SGS FIMKO OY, Notified Body 0598
Takomotie 8, FI-00380 Helsinki, Finland
t +358 9 696 361 f +358 9 682 5474 www.sgs.com

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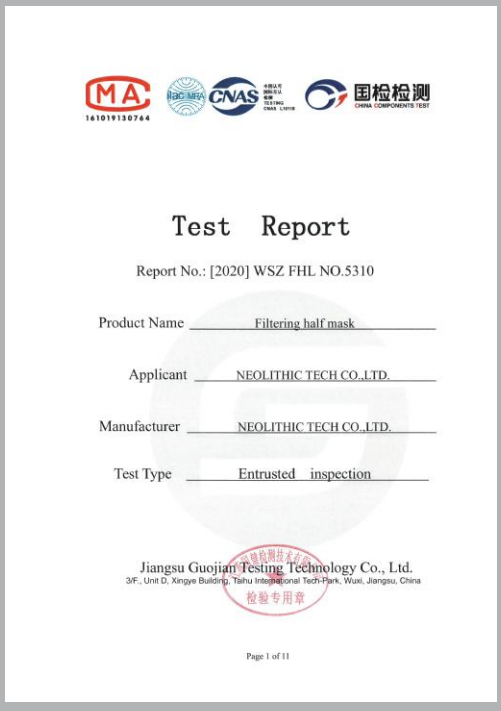
Test Report



161019130764

Test Report

Report No.: [2020] WSZ FHL NO.5310

Product Name: Filtering half mask

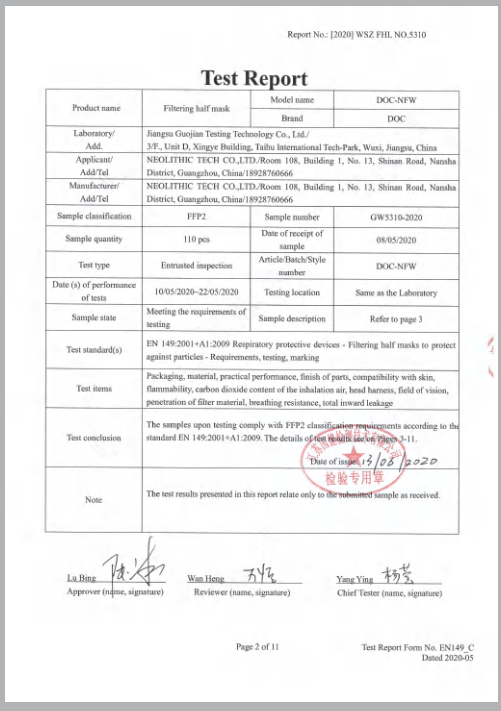
Applicant: NEOLITHIC TECH CO.,LTD.

Manufacturer: NEOLITHIC TECH CO.,LTD.

Test Type: Entrusted inspection

Jiangsu Guojian Testing Technology Co., Ltd.
3/F., Unit D, Xingye Building, Taihu International Tech-Park, Wuxi, Jiangsu, China
检验专用章

Page 1 of 11



Test Report

Product name	Filtering half mask	Model name	DOC-NFW
		Brand	DOC
Laboratory/ Add.	Jiangsu Guojian Testing Technology Co., Ltd./ 3/F., Unit D, Xingye Building, Taihu International Tech-Park, Wuxi, Jiangsu, China		
Applicant/ Add/Tel	NEOLITHIC TECH CO.,LTD./Room 108, Building 1, No. 13, Shinan Road, Nansha District, Guangzhou, China/18928760666		
Manufacturer/ Add/Tel	NEOLITHIC TECH CO.,LTD./Room 108, Building 1, No. 13, Shinan Road, Nansha District, Guangzhou, China/18928760666		
Sample classification	FFP2	Sample number	GW5310-2020
Sample quantity	110 pcs	Date of receipt of sample	08/05/2020
Test type	Entrusted inspection	Article/Batch/Style number	DOC-NFW
Date (s) of performance of tests	10/05/2020~22/05/2020	Testing location	Same as the Laboratory
Sample state	Meeting the requirements of testing	Sample description	Refer to page 3
Test standard(s)	EN 149:2001+A1:2009 Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking		
Test items	Packaging, material, practical performance, finish of parts, compatibility with skin, flammability, carbon dioxide content of the inhalation air, head harness, field of vision, penetration of filter material, breathing resistance, total inward leakage		
Test conclusion	The samples upon testing comply with FFP2 classification requirements according to the standard EN 149:2001+A1:2009. The details of test results see on Pages 3-11. Date of issue: 13/08/2020 检验专用章		
Note	The test results presented in this report relate only to the submitted sample as received.		

Liu Bing (Approver (name, signature)) Wan Heng (Reviewer (name, signature)) Yang Ying (Chief Tester (name, signature))

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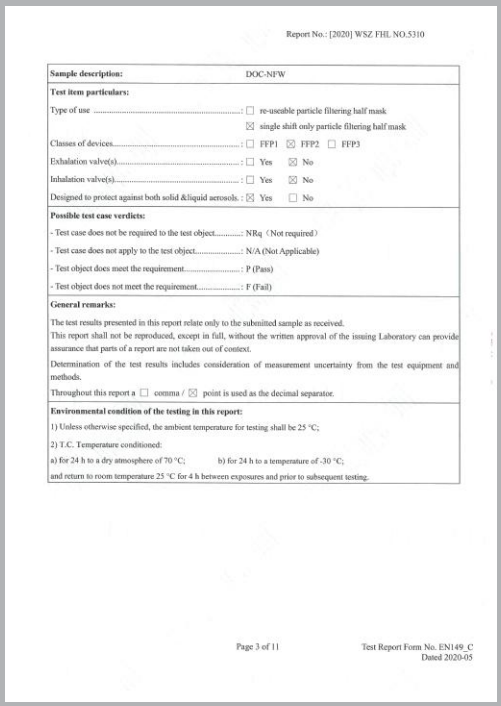

Sample description:	DOC-NFW
Test item particulars:	
Type of use	☐ re-useable particle filtering half mask ☒ single shift only particle filtering half mask
Classes of devices	☐ FFP1 ☒ FFP2 ☐ FFP3
Exhalation valve(s)	☐ Yes ☒ No
Inhalation valve(s)	☐ Yes ☒ No
Designed to protect against both solid &liquid aerosols.	☒ Yes ☐ No
Possible test case verdicts:	
- Test case does not be required to the test object	NRq（Not required）
- Test case does not apply to the test object	N/A (Not Applicable)
- Test object does meet the requirement	P (Pass)
- Test object does not meet the requirement	F (Fail)
General remarks:	
The test results presented in this report relate only to the submitted sample as received. This report shall not be reproduced, except in full, without the written approval of the issuing Laboratory can provide assurance that parts of a report are not taken out of context. Determination of the test results includes consideration of measurement uncertainty from the test equipment and methods. Throughout this report a ☐ comma / ☒ point is used as the decimal separator.	
Environmental condition of the testing in this report:	
1) Unless otherwise specified, the ambient temperature for testing shall be 25 °C; 2) T.C. Temperature conditioned: a) for 24 h to a dry atmosphere of 70 °C; b) for 24 h to a temperature of -30 °C; and return to room temperature 25 °C for 4 h between exposures and prior to subsequent testing.	

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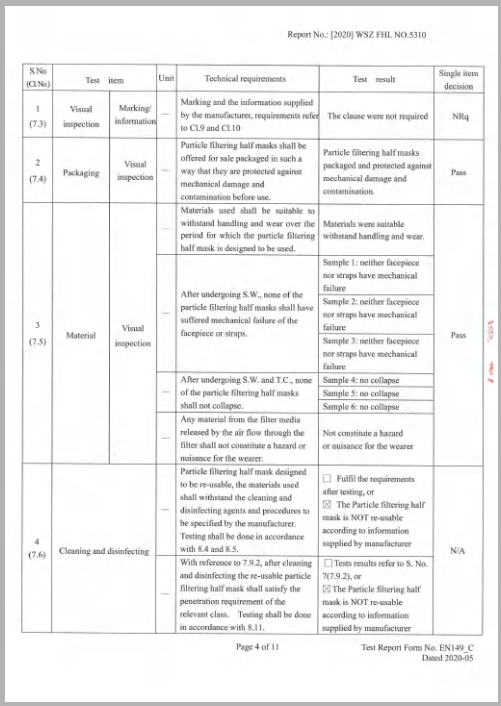

S.No (Cl.No.)	Test item		Unit	Technical requirements	Test result	Single item decision
1 (7.3)	Visual inspection	Marking/ information	—	Marking and the information supplied by the manufacturer, requirements refer to Cl.9 and Cl.10	The clause were not required	NRq
2 (7.4)	Packaging	Visual inspection	—	Particle filtering half masks shall be offered for sale packaged in such a way that they are protected against mechanical damage and contamination before use.	Particle filtering half masks packaged and protected against mechanical damage and contamination.	Pass
3 (7.5)	Material	Visual inspection	—	Materials used shall be suitable to withstand handling and wear over the period for which the particle filtering half mask is designed to be used.	Materials were suitable withstand handling and wear.	Pass
			—	After undergoing S.W., none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps.	Sample 1: neither facepiece nor straps have mechanical failure Sample 2: neither facepiece nor straps have mechanical failure Sample 3: neither facepiece nor straps have mechanical failure	
			—	After undergoing S.W. and T.C., none of the particle filtering half masks shall not collapse.	Sample 4: no collapse Sample 5: no collapse Sample 6: no collapse	
			—	Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer.	Not constitute a hazard or nuisance for the wearer	
4 (7.6)	Cleaning and disinfecting		—	Particle filtering half mask designed to be re-usable, the materials used shall withstand the cleaning and disinfecting agents and procedures to be specified by the manufacturer. Testing shall be done in accordance with 8.4 and 8.5.	☐ Fulfil the requirements after testing, or ☒ The Particle filtering half mask is NOT re-usable according to information supplied by manufacturer	N/A
			—	With reference to 7.9.2, after cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration requirement of the relevant class. Testing shall be done in accordance with 8.11.	☐ Tests results refer to S. No. 7(7.9.2), or ☒ The Particle filtering half mask is NOT re-usable according to information supplied by manufacturer	

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S.No. (Cl.No.)	Test item		Unit	Technical requirements	Test result				Single item decision
5 (7.7)	Practical performance	Head harness comfort	—	Head harness should be comfort.	Sample 1: has the feeling of comfortable wearing				Pass
					Sample 2: has the feeling of comfortable wearing				
		Security of fastenings	—	Fastenings are safe and reliable	Sample 1: All fastenings are firm				
					Sample 2: All fastenings are firm				
		Field of vision	—	Field of vision is acceptable	Sample 1: Having a wider visual field				
					Sample 2: Having a wider visual field				
6 (7.8)	Finish of parts	Visual inspection	—	Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.	Parts of the device have no sharp edges and burrs				Pass
7 (7.9.2)	Leakage— Penetration of filter material	Sodium chloride	—	≤6%	A.R.[1]	0.1%	0.1%	0.1%	Pass
					S.W.[1]	0.1%	0.2%	0.1%	
					M.S+ T.C.[2]	0.2%	0.2%	0.2%	
		Paraffin oil	—	≤6%	A.R.[1]	0.3%	0.2%	0.3%	Pass
					S.W.[1]	0.2%	0.3%	0.3%	
					M.S+ T.C.[2]	1.2%	1.1%	1.2%	
	[1] average penetration over a time of 30s, beginning 3 min after the start of the test reported [2] max. penetration during exposure test reported; Note: The penetration of the filter of the particle filtering half mask shall meet the requirements below: Maximum penetration of sodium chloride aerosol test 95 L/min max. FFP1: 20%, FFP2: 6%, FFP3: 1% Maximum penetration of paraffin oil aerosol test 95 L/min max. FFP1: 20%, FFP2: 6%, FFP3: 1%								

S.No. (Cl.No.)	Test item	Unit	Technical requirements	Test result		Single item decision
8 (7.10)	Compatibility with skin	—	Materials that may come into contact with the wearer's skin shall not be known to be likely to cause irritation or any other adverse effect to health.	A.R.	5 pcs all don't cause irritation	Pass
				T.C.	5 pcs all don't cause irritation	
9 (7.11)	Flammability	—	When tested, the particle filtering half mask shall not burn or not to continue to burn for more than 5s after removal from the flame.	A.R.	The Sample is burning. Burning time:0.1s	Pass
					The Sample is burning. Burning time:0.1s	
				T.C.	The Sample is burning. Burning time:0.1s	
					The Sample is burning. Burning time:0.1s	
10 (7.12)	Carbon dioxide content of the inhalation air	—	The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1.0 % (by volume). Remark: 3 half masks (S1, S2 and S3) A.R. tested.	Sample 1	0.6320%	Pass
				Sample 2	0.6330%	
				Sample 3	0.6340%	
				average	0.63%	
11 (7.13)	Head harness	—	The head harness shall be designed so that the particle filtering half mask can be donned and removed easily. The head harness shall be adjustable or self-adjusting and shall be sufficiently robust to hold the particle filtering half mask firmly in position	A.R.	All of 5 pieces particle filtering half mask meet the requirements	Pass
				T.C.	All of 5 pieces particle filtering half mask meet the requirements	
12 (7.14)	Field of vision	—	The field of vision is acceptable if determined so in practical performance tests.	The two samples both have a wider visual field		Pass

S.No. (Cl.No.)	Test item		Unit	Technical requirements	Test result	Single item decision
13 (7.15)	Exhalation valve(s)	Visual inspection	—	A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.	No exhalation valve(s)	N/A
			—	If an exhalation valve is provided it shall be protected against or be resistant to dirt and mechanical damage, and may be shrouded or may include any other device that may be necessary for the particle filtering half mask to comply with 7.9.	No exhalation valve(s)	
		Flow conditioning	—	Exhalation valve(s), if fitted, shall continue to operate correctly after a continuous exhalation flow of 300 l/min over a period of 30 s.	No exhalation valve(s)	
		Strength of attachment of exhalation valve housing	—	When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10 N applied for 10 s.	No exhalation valve(s)	
14 (7.17)	Clogging— Breathing resistance & Penetration of filter material		—	Optional for single shift use devices, mandatory for re-usable devices. Tested by Cl. 7.17.1/2/3.	☐ Tests results refer to Table C&D, or ☒ Tests not requested for single shift use face mask	N/A
15 (7.18)	Demountable parts		—	All demountable parts (if fitted) shall be readily connected and secured, where possible by hand.	No demountable parts	N/A

Table A- Leakage—Total Inward Leakage

S.No. (Cl.No.)	Test item	Unit	Technical requirements[1]	Test result						Single item decision
				Exercises	E1 (%)	E2 (%)	E3 (%)	E4 (%)	E5 (%)	TIL (%)	
16 (7.9.1)	Leakage— Total inward leakage	—	At least 46 out of the 50 individual exercise results shall be not greater than 11%; And in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than 8%;	A.R.	6.6	7.7	7.7	7.5	7.1	6.8	Pass
					6.3	7.0	7.1	7.0	6.4	7.3	
					6.2	7.0	7.5	7.4	6.7	7.0	
					6.0	7.2	7.0	7.2	6.5	6.8	
					6.0	7.1	6.9	7.1	6.4	6.7	
				T.C.	6.4	7.4	7.6	7.6	6.9	7.2	
					7.0	8.1	7.9	7.8	7.4	7.6	
					6.3	6.7	6.7	6.7	6.3	6.5	
					6.1	7.1	7.2	6.9	6.5	6.8	
					6.4	7.0	7.1	7.4	6.7	6.9	

Note 1:
at least 46 out of the 50 individual exercise results (i.e. 10 subjects x 5 exercises) for total inward leakage shall be not greater than
25 % for FFP1 11 % for FFP2 5 % for FFP3
in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than
22 % for FFP1 8 % for FFP2 2 % for FFP3.

Table A-1- Test subjects—Facial dimension

Test Subject No.	Length of face (mm)	Width of face (mm)	Depth of face (mm)	Width of mouth (mm)
1	120	130	109	59
2	122	140	115	65
3	119	160	139	55
4	112	122	119	63
5	110	130	118	60
6	115	119	110	59
7	112	123	113	55
8	103	130	100	50
9	118	139	130	63
10	120	135	125	50

Table B- Breathing Resistance

S.No. (CLNo.)	Test item		Unit	Technical requirements[1]	Test result						Single item decision
					Exercises	Facing directly ahead	Facing vertically upwards	Facing vertically downwards	Lying on the left side	Lying on the right side	
17 (7.16)	Breathing resistance	Inhalation 30 L/min	mbar	≤0.7	A.R.	0.5	0.6	0.5	0.5	0.6	Pass
						0.6	0.6	0.5	0.5	0.5	
						0.5	0.6	0.6	0.5	0.5	
					S.W.	0.5	0.5	0.5	0.6	0.6	
						0.5	0.5	0.5	0.5	0.6	
						0.6	0.6	0.6	0.6	0.6	
					T.C.	0.6	0.5	0.6	0.6	0.6	
						0.6	0.6	0.6	0.6	0.5	
						0.6	0.6	0.6	0.6	0.5	
		Inhalation 95 L/min		≤2.4	A.R.	2.0	2.1	2.1	2.1	2.0	Pass
						2.1	2.1	2.1	2.1	2.0	
						2.0	2.1	2.1	2.1	2.0	
					S.W.	2.0	2.1	2.0	2.1	2.1	
						2.1	2.1	2.1	2.1	2.0	
						2.1	2.0	2.1	2.1	2.0	
					T.C.	2.0	2.1	2.1	2.1	2.1	
						2.0	2.1	2.1	2.1	2.0	
						2.1	2.1	2.0	2.1	2.1	
		Exhalation 160 L/min		≤3.0	A.R.	2.5	2.5	2.6	2.6	2.6	Pass
						2.5	2.5	2.5	2.6	2.6	
						2.6	2.6	2.5	2.5	2.5	
					S.W.	2.6	2.5	2.5	2.5	2.6	
						2.6	2.6	2.6	2.5	2.5	
						2.5	2.6	2.6	2.6	2.6	
					T.C.	2.6	2.6	2.6	2.5	2.6	
						2.6	2.6	2.6	2.5	2.6	

Note 1: Limitation may need be changed according to classification, refer to Table 2 — Breathing resistance of EN 149:2001 +A1:2009 for the Technical requirements.

Table C- Clogging Test—Breathing resistance

S.No. (CLNo.)	Test item[1]		Unit	Technical requirements[1] (mbar)	Test result						Single item decision
					Exercises	Facing directly ahead	Facing vertically upwards	Facing vertically downwards	Lying on the left side	Lying on the right side	
18 (7.17)	Clogging test— Breathing resistance	Inhalation 95 L/min	mbar	—	A.R.						N/A
					T.C.						
		Exhalation 95 L/min	mbar	—	A.R.						N/A
					T.C.						

Note 1: Valved particle filtering half masks
After clogging the inhalation resistances shall not exceed FFP1: 4 mbar FFP2: 5 mbar FFP3: 7 mbar at 95 L/min continuous flow;
The exhalation resistance shall not exceed 3 mbar at 160 L/min continuous flow.

Note 2: Valveless particle filtering half masks
After clogging the inhalation and exhalation resistances shall not exceed FFP1: 3 mbar, FFP2: 4 mbar FFP3: 5 mbar at 95 L/min continuous flow.

Table D- Clogging Test—Penetration of filter material

S.No. (CLNo.)	Test item		Unit	Technical requirements	Test result		Single item decision
19 (7.17)	Clogging test- Penetration of filter material	Paraffin oil	—	—	A.R.		N/A
					T.C.		
					T.C.		

Note: Maximum penetration of test aerosol test 95 L/min max. FFP1: 20%, FFP2: 6%, FFP3: 1%

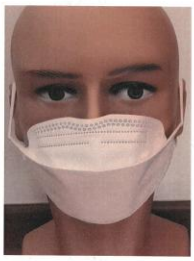
Abbreviations :

A.R. As received	M.S. Mechanical strength	S.W. Simulated wearing treatment
T.C. Temperature conditioned	F.C. Flow conditioned	C.D. Cleaning and Disinfecting

Annex A- Estimates of the uncertainty of measurement

Test item	Uncertainty
Total inward leakage	2.98%
Penetration of filter material	1.00%
Flammability	1.00%
Carbon dioxide content of the inhalation air	0.93%
Breathing resistance	1.90%

Annex B- Sample Photo



The end