## **EU Declaration of Conformity**

Manufacturer: Hunan EEXI Technology & Service Co., Ltd. Address: No.6, North of Pingtou road, Liuyang Hi-Tech industrial development zone, Hunan, China

declares that the new PPE described hereafter

Product name	Particle filtering half mask
Model	YX152, YX153
Standard	EN 149: 2001+A1: 2009
Classification	FFP2 NR

is in conformity with the Regulation (EU) 2016/425 and with harmonized standard EN 149:2001 + A1:2009

performed the EU type-examination (Module B) and issued the EU type-examination certificate

FI20/966321

performed the EU type-examination (Module D) and issued the EU type-examination certificate

CN21/42014

### Notified Body information

Module B	Module D		
SGS Fimko Oy	SGS Fimko Oy		
Takomotie 8, FI-00380	Takomotie 8, FI-00380		
Helsinki, Finland	Helsinki, Finland		
Notified Body No. 0598	Notified Body No. 0598		

Signed for on behalf of Company

Name: Robin Liu

Position: CEO & Owner

Date: 2021-01-18

Signature: Dobbis

# Hunan EEXI Technology & Service Co.,Ltd

No.6, North of Pingtou Road, Liuyang Hi-Tech Industrial Development Zone, Hunan, China

It is certified that the manufacturer's technical file and the PPE product detailed on page 2 have been assessed and found to be in accordance with

**Regulation (EU) 2016/425** 

Module B, EU type-examination

This certificate is valid from 10 February 2021 until 10 February 2026 3. Certified since 6 August 2020

Authorised by

SGS FIMKO OY, Notified Body 0598

Takomotie 8, FI-00380, Helsinki, Finland t +358 9 696 361 f +358 9 692 5474 www.sgs.com

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## Hunan EEXI Technology & Service Co.,Ltd

## Regulation (EU) 2016/425

Module B, EU type-examination

Issue 3

PPE Product

- Eexilnherent (logo) YX152 particle filtering half mask, consisting of a five layer (polypropylene) disposable face mask, with nose clip, and polyester ear loops with polypropylene hook, available in seven colourways:
   Black, Blue, Green, Grey, Pink, Red or White;
- b) Eexilnherent (logo) YX153 particle filtering half mask, consisting of a five layer (polypropylene) disposable face mask, with polypropylene valve, nose clip, and polyester ear loops with polypropylene hook, available in seven colourways: Black, Blue, Green, Grey, Pink, Red or White.

It is certified that the manufacturer's technical file and the above mentioned PPE have been assessed and found to meet the applicable Essential Health and Safety Requirements in Annex II of Regulation (EU) 2016/425 Personal Protective Equipment

The following have been applied:

EN 149:2001+A1:2009 (Respiratory protective devices - filtering half masks to protect against particles) device classification: FFP2 NR.

This certificate is issued on the strict condition that appropriate checks on manufactured PPE, as detailed in Article 19 (c) of the Regulation are implemented and maintained while the model is in production

Certification is based on technical file reference:

YX152/YX153, Rev 2, dated: 2021-02-02.

SGS Reference Number UK/CRS 241545.

This certificate remains the property of SGS Fimko Oy to whom it must be returned on request.



Certificate CN21/42014



The management system of

# Hunan EEXI Technology & Service Co., Ltd.

No.6, North of Pingtou Road, Liuyang Hi-Tech Industrial Development Zone, Hunan, 410300, 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 the FFP2 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 5 January 2021 until 4 January 2024 and remains valid subject to satisfactory surveillance audits.

Re certification audit due before 29 November 2023 Issue 1. Certified since 5 January 2021

Authorised by

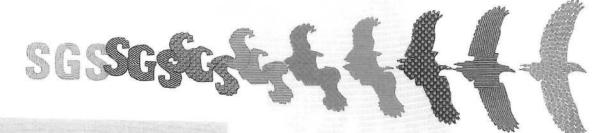
FINAS
Finnish Accreditation Service
S003 (EN ISO/IEC 17065)

SGS FIMKO OY, Notified Body 0598

Takomotie 8, FI-00380 Helsinki, Finland t+358 9 696 361 f+358 9 692 5474 www.sgs.com

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HUNAN EEXI TECHNOLOGY&SERVICE CO.,LTD NO.6, NORTH OF PINGTOU ROAD, LIUYANG HI-TECH INDUSTRIAL DEVELOPMENT ZONE, HUNAN,China

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

Sample Description

Particle filtering half mask

Color

(A)BLACK; (B)RED; (C)PINK; (D)GREEN; (E)BLUE; (F)GRAY
 (A)Non-woven fabric, meltblown cloth, nose clip, headharness

Style No.

: YX152

Manufacture

Composition

HUNAN EEXI TECHNOLOGY&SERVICE CO.,LTD

Country of Destination

Europe

Sample Receiving Date

Jan 15, 2021

Testing Period

Jan 15, 2021 - Jan 19, 2021

Test Result(s)

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Test Performed

Selected test(s) as requested by applicant

**Overall Conclusion:** 

See Results







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Remark

Conclusion pH Value Azo Dyes

See Results See Results

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Hanson Chen (Approved Signatory)







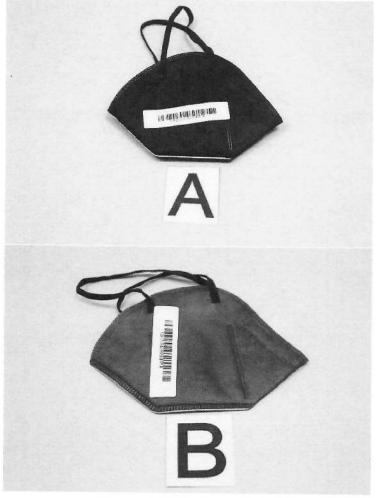


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#### Sample Photo







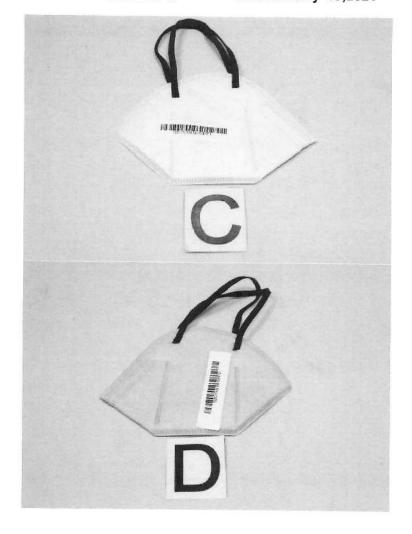




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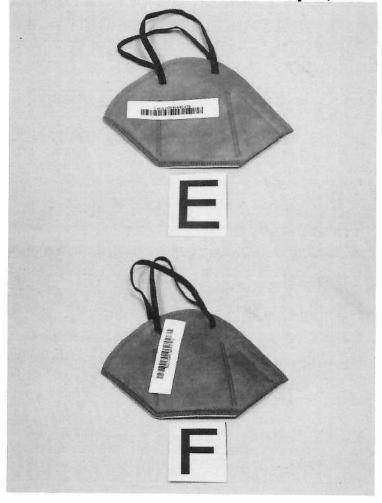




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### **COMPONENT LIST / List of Materials**

Sample No.	Component No.	Description	Material	Color	Remark	
Α	1	Outer non woven fabric	Synthetic Fibers	Black		
Α	7	Flat band	Synthetic Fibers	Black	B,C,D,E,F materia type same as A	
В	2	Outer non woven fabric	Synthetic Fibers	Red	typo damo do 71	
С	3	Outer non woven fabric	Synthetic Fibers	Pink		
D	4	Outer non woven fabric	Synthetic Fibers	Green		
E	5	Outer non woven fabric	Synthetic Fibers	Blue		
F	6	Outer non woven fabric	Synthetic Fibers	Gray		







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Test Result

#### pH Value

(ISO 3071:2020; 0.1mol/L KCL extraction)

77		- NOL OXII GOLIOTI)				
200 000	=	Unit	1	7	2	Requirement
pH Value			6.7	6.8	6.5	18
	2	Unit	3	4	5	Requirement
pH Value		8	6.7	6.6	6.8	-
	=	Unit	6	Requirement		
pH Value		-	6.4			
Moto						

Note:

1) pH value of extraction medium: 5.0 - 7.5

2) Temperature of the extraction solution: 22°C









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### Azo Dyes(Direct reduction approach)

Test Method: According to EN ISO 14362-1:2017, analysis was performed by GC-MS/ HPLC-DAD. Determination of 4-aminoazobenzene (CAS No.:60-09-3) – EN ISO 14362-3:2017, analysis was performed by GC-MS/ HPLC-DAD.

Test Item(s) 4-Aminobiphenyl	CAS NO. 92-67-1	<b>1+2+3</b> ND	<b>4+5+6</b> ND	<b>7</b> ND
Benzidine	92-87-5	ND	ND	ND
4-chloro-o-toluidine	95-69-2	ND	ND	ND
2-naphthylamine	91-59-8	ND	ND	ND
o-aminoazotoluene	97-56-3	ND	ND	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	ND	ND	ND
4-chloroaniline	106-47-8	ND	ND	ND
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	ND	ND	ND
4,4'-diaminodiphenylmethane, MDA	101-77-9	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	ND	ND	ND
3,3'-dimethoxybenzidine	119-90-4	ND	ND	ND
3,3'-dimethylbenzidine	119-93-7	ND	ND	ND
4,4'-methylenedi-o-toluidine/3,3'-Dimethyl-4,4'-di aminodiphenylmethane	838-88-0	ND	ND	ND
p-cresidine	120-71-8	ND	ND	ND
4,4'-methylene-bis-(2-chloroaniline)	101-14-4	ND	ND	ND
4,4'-oxydianiline	101-80-4	ND	ND	ND
4,4'-thiodianiline	139-65-1	ND	ND	ND
o-toluidine	95-53-4	ND	ND	ND
4-methyl-m-phenylenediamine / 2,4-Toluylendiamine, TDA	95-80-7	ND	ND	ND
2,4,5-trimethylaniline	137-17-7	ND	ND	ND
4-aminoazobenzene	60-09-3	ND	ND	ND
O-Anisidine	90-04-0	ND	ND	ND









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Notes:

RL (Reporting limit): 5 mg/kg (for individual compound)
ND = Not Detected(< RL)

- 1. Direct reduction (Method A) refers to the extraction and reduction according to ISO 14362-1:2017 clause 10.2 and relevant clauses. Colorant extraction (Method B) refers to the colourant extraction and subsequent reduction according to ISO 14362-1:2017 Clause 10.1 and relevant clauses.
- 2. 4-Aminodiphenyl (CAS No. 92-67-1), 2-Naphthylamine (CAS No. 91-59-8) and 2,4-Diaminoanisole (CAS No. 615-05-4) can be indirectly generated from some colorants which do not contain these amines azo bound. The use of banned azo colorants cannot be reliably ascertained without additional information. 3. In case PU is used, e.g. PU Foams or coatings, it cannot be ruled out that MDA (CAS No. 101-77-9) and TDA (CAS No. 95-80-7) can be released from PU material, not from banned azo colorant. Similarly, for pigment prints, MDA will be released from a chemical fixing agent.
- 4. ISO 14362-1:2017 will enable further cleavage of 4-AAB (CAS No. 60-09-3) to non-forbidden amines: aniline and p-phenylenediamine. If aniline and/or p-phenylenediamine is not found, 4-AAB is considered as "ND" (i.e. <5.0 mg/kg). Otherwise, ISO 14362-3:2017 will be employed to verify the presence of 4-AAB.









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## Azo Dyes(Colorant extraction approach)

Test Method: According to EN ISO 14362-1:2017, analysis was performed by GC-MS/ HPLC-DAD. Determination of 4-aminoazobenzene (CAS No.:60-09-3) – EN ISO 14362-3:2017, analysis was performed by GC-MS/ HPLC-DAD.

<u>Test Item(s)</u> 4-Aminobiphenyl	CAS NO. 92-67-1	<b>1+2+3</b> ND	<b>4+5+6</b> ND	<b>7</b> ND
Benzidine	92-87-5	ND	ND	ND
4-chloro-o-toluidine	95-69-2	ND	ND	ND
2-naphthylamine	91-59-8	ND	ND	ND
o-aminoazotoluene	97-56-3	ND	ND	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	ND	ND	ND
4-chloroaniline	106-47-8	ND	ND	ND
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	ND	ND	ND
4,4'-diaminodiphenylmethane, MDA	101-77-9	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	ND	ND	ND
3,3'-dimethoxybenzidine	119-90-4	ND	ND	ND
3,3'-dimethylbenzidine	119-93-7	ND	ND	ND
4,4'-methylenedi-o-toluidine/3,3'-Dimethyl-4,4'-di aminodiphenylmethane	838-88-0	ND	ND	ND
p-cresidine	120-71-8	ND	ND	ND
4,4'-methylene-bis-(2-chloroaniline)	101-14-4	ND	ND	ND
4,4'-oxydianiline	101-80-4	ND	ND	ND
4,4'-thiodianiline	139-65-1	ND	ND	ND
o-toluidine	95-53-4	ND	ND	ND
4-methyl-m-phenylenediamine / 2,4-Toluylendiamine, TDA	95-80-7	ND	ND	ND
2,4,5-trimethylaniline	137-17-7	ND	ND	ND
4-aminoazobenzene	60-09-3	ND	ND	ND
O-Anisidine	90-04-0	ND	ND	ND









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Notes:

RL (Reporting limit):5 mg/kg (for individual compound)
ND = Not Detected(< RL)

- 1. Direct reduction (Method A) refers to the extraction and reduction according to ISO 14362-1:2017 clause 10.2 and relevant clauses. Colorant extraction (Method B) refers to the colourant extraction and subsequent reduction according to ISO 14362-1:2017 Clause 10.1 and relevant clauses.
- 2. 4-Aminodiphenyl (CAS No. 92-67-1), 2-Naphthylamine (CAS No. 91-59-8) and 2,4-Diaminoanisole (CAS No. 615-05-4) can be indirectly generated from some colorants which do not contain these amines azo bound. The use of banned azo colorants cannot be reliably ascertained without additional information. 3. In case PU is used, e.g. PU Foams or coatings, it cannot be ruled out that MDA (CAS No. 101-77-9) and TDA (CAS No. 95-80-7) can be released from PU material, not from banned azo colorant. Similarly,
- for pigment prints, MDA will be released from a chemical fixing agent.
  4. ISO 14362-1:2017 will enable further cleavage of 4-AAB (CAS No. 60-09-3) to non-forbidden amines: aniline and p-phenylenediamine. If aniline and/or p-phenylenediamine is not found, 4-AAB is considered

as "ND" (i.e. <5.0 mg/kg). Otherwise, ISO 14362-3:2017 will be employed to verify the presence of 4-AAB.

The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

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

