

#### **EU DECLARATION OF CONFORMITY**

Distributor: JBM CAMPLLONG, S.L.U.

Address: CIM La Selva – Crta. Aeroport Km 1.6 Nave 2.2, 17185 Vilobí d'Onyar, Girona

CIF (VAT number): ESB17419292

Description of the product: FFP2 protective mask

Manufacturer's reference number: KADI-001

Distributor's reference number: 53946, 537870, 53959, 53960, 53961, 53963

The object of the declaration is in conformity with the Regulation (EU) 2016/425 on personal protective equipment and the following standard:

StandardTitleEdition/DateEN149Respiratory protection equipment. Filtration and protection<br/>masks against particles. Requirements, tests and marking.2001+A1:2009

EU type certificate issued by:

**CCQS Certification Services Limited** 

Approved by Ireland Government as a Notified Body for CE marking No.2834

Block 1 Blanchardstown Corporate Park,

Ballycoolin Road, Blanchardstown, Dublin15, D15 AKK1, Ireland

Tel: +00 353 1 588 6920

Certificate No.: CE-PC-200401-179-01-9D, CE-PC200401-179-FPC-C

Test report No.: 2020 (D) - 0778, 2021 (D) - 0073

Signed by:



**Eduard Godoy** 

Purchasing department director

Girona, 31st May, 2021



## **Module B EU Type-Examination Certificate**

For the requirements of PPE Regulation 2016/425

Certificate No.: CE-PC-200401-179-01-9D

Certificate Hefei Kadi Biological Pharmaceutical Co., Ltd.

holder: 2nd Floor, No.3 Building, Workshop 3, Xiwei San Rd., Feidong

Economic Development Zone, 231600, Hefei, Anhui, China

Product: Particle filtering half mask

Detailed product description listed in the Annex

Model(s): KADI-001

**Standard(s):** EN 149:2001+A1:2009

Respiratory protective devices - Filtering half masks to protect against

particles - Requirements, testing, marking

**Issue date:** 2020-06-12

**Revision date:** 2021-05-11

**Expiry date:** 2025-06-11

The product(s) on this certificate and the Technical File have been assessed and found to be in conformance with the applicable Essential Health and Safety Requirements in Annex II of the PPE regulation 2016/425.

Any changes to the design, manufacturing location or manufacture of the PPE product certified here must be advised to CCQS Certification Services Limited for review.

CE marking shall not be applied until the requirements of all the PPE Regulation 2016/425 and relevant EN Harmonised standards and/or Technical specifications have been met.

If the certified product is Category III then this certificate is only valid if used in conjunction with Conformity Assessment against Module C2 or Module D.

This certificate remains the property of CCQS and maybe withdrawn at any time if it is considered that the equipment is no longer in conformity with the requirements of the PPE Regulation 2016/425.



Approved by Ireland Government as a Notified Body for CE Marking No.2834





## **CCQS Certification Services Limited**

Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin15, D15 AKK1, Ireland



## Module B EU Type-Examination Certificate Annex

## For the requirements of PPE Regulation 2016/425

Certificate No.: CE-PC-200401-179-01-9D

## Applicable standards and specification:

EN 149:2001+A1:2009 Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking

Model reference	Product description
KADI-001	Folding filtering half mask fitted with ear loops with head harness retaining clip, no valves, internal metal nose clip
****	Mask body variant colours: White, Black, Grey, Yellow, Dark blue,
* * * *	Purple, Pink, Red, Orange or Army Green variant
	Classification: FFP2 NR
	Test report No.: 2020(D) - 0778, 2021(D) - 0073

Certificate Revision	Revision date	Revision details
A A	2020-06-12	Initial issue
В	2020-09-11	Certificate validity extended to one year
***C	2020-11-19	Addition of mask body colour Black, Grey,
		Yellow, Dark blue, Purple or Pink variant
D 6	2021-05-11	Extended expiry date following Module C2
C.G.	CO.	assessment and addition of mask body
G	C	colour variants - Red, Orange & Army
****	cOS II	Green



## **CCQS Certification Services Limited**

Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin15, D15 AKK1, Ireland



# Certificate of Module C2 production monitoring for equipment within the scope of Personal Protective Equipment Regulation (EU) 2016/425 Category III

FPC Certificate No.: CE-PC-200401-179-FPC-C

Certificate Hefei Kadi Biological Pharmaceutical Co., Ltd.

holder: 2nd Floor, No.3 Building, Workshop 3, Xiwei San Rd., Feidong

Economic Development Zone, 231600, Hefei, Anhui, China

Manufacturing 2nd Floor, No.3 Building, Workshop 3, Xiwei San Rd., Feidong

**location:** Economic Development Zone, 231600, Hefei, Anhui, China

The scope of the certification for:

The manufacture of respiratory protective device see annex for articles covered by this certificate

**Valid from:** 2020-06-12

**Revision date:** 2021-05-11

**To:** 2023-06-11

CCQS Certification Services Limited in its role as a Notified Body for PPE Regulation, is monitoring that the manufacturer is producing PPE in conformity with the type described in the EU type-examination certificate and associated technical file and which satisfies the Essential Health and Safety Requirements of the Regulation. The equipment covered by this certificate is listed in the accompanying schedule. This certificate is not complete and has no validity without the accompanying schedule and revision index.

The manufacturer is hereby authorized to affix our Notified Body number, 2834, to each item of PPE mentioned in the schedule which accompanies this certificate whilst this certificate remains valid.

This certificate and the accompanying schedule remain the property of CCQS and maybe withdrawn or revised at any time if CCQS considers that the equipment is no longer in conformity with the requirements of the Regulation.



Approved by Ireland Government as a Notified Body for CE Marking No.2834





#### **CCQS Certification Services Limited**

Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin15, D15 AKK1, Ireland

Tel: +00 353 1 588 6920 Website: www.ccqs.co.uk E-mail: verify@ccqs.ie If in any doubt about the integrity of this certificate, please contact CCQS by email to verify.



## Schedule of Module C2 production monitoring for equipment within the scope of Personal Protective Equipment Regulation (EU) 2016/425 Category III

Schedule to CCQS FPC Certificate No.: CE-PC-200401-179-FPC-C

Product reference and descr	Reference standard	
Particle Filtering Half Mask	Model: KADI-001	EN 149:2001+A1:2009

Certificate Revision	Revision date	Revision details
S A S	2020-06-12	Initial issue
В	2020-09-11	Certificate validity extended to one year
C	2021-05-11	Extension to validity of certificate following
477.4	X XX	the Module C2 assessment

This schedule has no validity without the accompanying certificate.

This schedule and the accompanying certificate remain the property of CCQS and maybe withdrawn or revised at any time if CCQS considers that the equipment is no longer in conformity with the requirements of the Regulation



## **CCQS Certification Services Limited**

Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin15, D15 AKK1, Ireland





中国认可 国际互认 检测 TESTING CNAS L1499

#### National Quality Supervision and Testing Center for Personal Protective Equipment (Beijing)

#### (Testing Laboratory for Labour Protection Products of Beijing Municipal Institute for Labour Protection)

Fax: +86 10 63519250 +86 10 63520770

The Testing Center is accredited for compliance with ISO/IEC 17025.

The results of tests, calibrations and/or measurements included in this document are traceable to Chinese/national standards.

CNAS is a signatory to the ILAC mutual recognition arrangement for the mutual recognition of the equivalence of testing, calibration and inspection reports.

#### **TEST REPORT**

#### Particulate respirator-half facepiece

EN 149: 2001 +A1: 2009 Respiratory protective devices — Filtering half masks to protect against particles — Requirements, testing, marking

**Product:** Particle filtering half mask

**Report No:** 2020 (D) - 0778

Client: CCQS Certification Services Limited

**Model (s): KADI-001** 

Date(s) of tests: 2020.05.19-2020.06.03

#### DESCRIPTION OF SAMPLES

**General Information**Classification
FFP2 NR

Main Components
White folding mask

Manufacturer Hefei Kadi Biological Pharmaceutical Co., Ltd

Manufacturer Address

2nd Floor, No 3 Building, Workshop 3, Xiwen San Rd, Feidong Economic Development

Zone, 231600, Hefei, Anhui, China.

Signed:

连续为

Issued: 2020.6.3

陈倬为 Chen Zhuowei Authorized Signatory, Lab Director

Page 1 of 10

Report No: 2020 (D) - 0778 Page 2 of 10

#### **Conditions:**

The test results presented in this report relate to the samples tested only.

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The authenticity of this test report and its contents can be verified by contacting the laboratory.

**Test Results** 

7.3 Visual inspection Not tested<sup>1</sup>

The visual inspection shall include the marking and information supplied by the manufacturer.

Note1: As requested by the client, marking and information supplied by the manufacturer was not inspected.

7.4 Package Pass<sup>2</sup>

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.

Note2: In accordance with the requirement.

7.5 Material Pass<sup>3</sup>

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.

Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer.

After undergoing the conditioning described in 8.3.1 none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps.

When conditioned in accordance with 8.3.1 and 8.3.2 the particle filtering half mask shall not collapse.

Note3: No mechanical failure after undergoing the conditioning described in 8.3.1. No collapse when conditioned in accordance with 8.3.1 and 8.3.2.

#### 7.6 Cleaning and disinfecting

 $N/A^4$ 

If the particle filtering half mask is designed to be re-usable, the materials used shall withstand the cleaning and disinfecting agents and procedures to be specified by the manufacturer.

Note4: Single shift use only.

#### 7.7 Practical performance

Pass<sup>5</sup>

The particle filtering half mask shall undergo practical performance tests under realistic conditions. **Note5: No imperfections.** 

7.8 Finish of parts

Pass<sup>6</sup>

Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs. Note6: No sharp edges or burrs.

7.9.1 Total inward leakage

Pass<sup>7</sup>

For particle filtering half masks fitted in accordance with the manufacturer's information, 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

and, 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

Note7: FFP2 respirator. Test results are shown in Annex A Table 7.9.1-A&B.

#### 7.9.2 Penetration of filter material

Pass8

The penetration of the filter of the particle filtering half mask shall meet the requirements of Table 1.

Sodium chloride test 95 l/min

Paraffin oil test 95 l/min

FFP1 ≤20%

≤20%

Report No: 2020 (D) - 0778

FFP2  $\leq 6\%$ FFP3  $\leq 1\%$   $\leq 1\%$ 

Note8: FFP2 respirator. Test results are shown in Annex A Table 7.9.2.

#### 7.10 Compatibility with skin

Pass9

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.

Note9: No irritation or any other adverse effect to health.

7.11 Flammability Pass<sup>10</sup>

When tested, the particle filtering half mask shall not burn or not to continue to burn for more than 5 s after removal from the flame.

Note10: Test results are shown in Annex A Table 7.11.

#### 7.12 Carbon dioxide content of the inhalation air

Pass<sup>11</sup>

The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume) Note11: Test results are shown in Annex A Table 7.12.

7.13 Head harness Pass<sup>12</sup>

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 and be capable of maintaining total inward leakage requirements for the device.

Note12: Head harness can be donned and removed easily, adjustable or self-adjusting and have sufficiently robust to hold the particle filtering half mask firmly.

7.14 Field of vision Pass<sup>13</sup>

The field of vision is acceptable if determined so in practical performance tests.

Note13: Pass the practical performance tests.

7.15 Exhalation valve N/A<sup>14</sup>

A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.

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.

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.

When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10 N applied for 10 s.

Note14: No exhalation valve.

#### 7.16 Breathing resistance

Pass<sup>15</sup>

Classification	Maximum permitted resistance (mbar)				
	Inhalation	Exhalation			
	30 l/min	160 l/min			
FFP1	0.6	2.1	3.0		
FFP2	0.7	2.4	3.0		
FFP3	1.0	3.0	3.0		

Note15: FFP2 respirator. Test results are shown in Annex A Table 7.16.

Report No: 2020 (D) - 0778 Page 5 of 10

7.17 Clogging N/A<sup>16</sup>

#### 7.17.2 Breathing resistance

Valved particle filtering half masks:

After clogging the inhalation resistances shall not exceed:

FFP1: 4 mbar, FFP2: 5 mbar, FFP3: 7 mbar at 95L/min continuous flow

The exhalation resistance shall not exceed 3 mbar at 160 L/min continuous flow

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 95L/min continuous flow

#### 7.17.3 Penetration of filter material

	Sodium chloride test 95 l/min	Paraffin oil test 95 l/min
FFP1	€20%	<b>≤</b> 20%
FFP2	≪6%	≪6%
FFP3	≤1%	≤1%
Note16: S	Single shift use only.	

8

#### 7.18 Demountable parts

All demountable parts (if fitted) shall be readily connected and secured, where possible by hand Note17: In accordance with the requirement.

9 Marking Not tested

Pass<sup>17</sup>

#### 9.1 Packaging

The following information shall be clearly and durably marked on the smallest commercially available packaging or legible through it if the packaging is transparent.

- 9.1.1 The name, trademark or other means of identification of the manufacturer or supplier.
- **9.1.2** Type-identifying marking.
- **9.1.3** Classification

The appropriate class (FFP1, FFP2 or FFP3) followed by a single space and then: "NR" if the particle filtering half mask is limited to single shift use only. Example: FFP3 NR, or "R" if the particle filtering half mask is re-usable. Example: FFP2 R D.

- **9.1.4** The number and year of publication of this European Standard.
- **9.1.5** At least the year of end of shelf life. The end of shelf life may be informed by a pictogram as shown in Figure 12a, where yyyy/mm indicates the year and month.
- **9.1.6** The sentence 'see information supplied by the manufacturer', at least in the official language(s) of the country of destination, or by using the pictogram as shown in Figure 12b.
- **9.1.7** The manufacturer's recommended conditions of storage (at least the temperature and humidity) or equivalent pictogram, as shown in Figures 12c and 12d.
- **9.1.8** The packaging of those particle filtering half masks passing the dolomite clogging test shall be additionally marked with the letter "D". This letter shall follow the classification marking preceded by a single space.

#### 9.2 Particle filtering half mask

Particle filtering half masks complying with this European Standard shall be clearly and durably marked with the following:

9.2.1 The name, trademark or other means of identification of the manufacturer or supplier.

Report No: 2020 (D) - 0778 Page 6 of 10

- 9.2.2 Type-identifying marking.
- **9.2.3** The number and year of publication of this European Standard.
- **9.2.4** Classification

The appropriate class (FFP1, FFP2 or FFP3) followed by a single space and then: "NR" if the particle filtering half mask is limited to single shift use only. Example: FFP3 NR, or "R" if the particle filtering half mask is re-usable. Example: FFP2 R D.

- **9.2.5** If appropriate the letter D (dolomite) in accordance with clogging performance. This letter shall follow the classification marking preceded by a single space
- **9.2.6** Sub-assemblies and components with considerable bearing on safety shall be marked so that they can be identified.

Report No: 2020 (D) - 0778 Page 7 of 10

## **Annex A: Summarization of Test Data**

Table 7.9.1-A Inward leakage test data

Test specification: EN 149-2001 Clause 8.5

Subject	Sample No.	Condition	Walk(%)	Head Side/side(%)	Head up/down(%)	Talk(%)	Walk(%)	Mean(%)
Yi	1	A.R.	7.13	7.16	7.14	7.56	7.45	7.3
Gong	2	A.R.	6.89	7.03	6.97	7.17	7.03	7.0
Yu	3	A.R.	7.09	7.67	7.38	7.19	7.47	7.4
Hu	4	A.R.	6.86	6.93	7.23	6.89	7.21	7.0
Xu	5	A.R.	7.18	7.57	7.47	7.39	7.53	7.4
Deng	6	T.C.	9.35	9.48	9.46	9.52	9.74	9.5
Zhang	7	T.C.	6.79	7.04	7.28	6.90	7.01	7.0
Zhi	8	T.C.	7.08	7.51	7.24	7.30	7.41	7.3
Fang	9	T.C.	6.72	6.76	6.89	6.86	7.09	6.9
Lv	10	T.C.	8.37	8.52	8.86	8.68	8.62	8.6
	All 50 individual exercise results were not greater than 11 % 8 out of 10 individual wearer arithmetic means were not greater than 8 %				I	Pass		

**Table 7.9.1-B Facial dimension** 

Table 7.3.1-B Facial difficultion						
Subject	Face length	length Face Width Face Depth Mouth V		Mouth Width		
Yi	120	130	109	59		
Gong	122	140	115	65		
Yu	119	160	139	55		
Hu	112	122	119	63		
Xu	110	130	118	60		
Deng	115	119	110	59		
Zhang	112	123	113	55		
Liu	103	130	100	50		
Zhi	118	139	130	63		
Fang	115	129	120	50		
Chen	116	150	132	56		
Lv	110	121	110	53		

Report No: 2020 (D) - 0778 Page 8 of 10

Table -7.9.2 Penetration of filter material

Test specification: EN 149-2001 Clause 8.11

Aerosol	Condition	Sample No.	Penetration (%)	Assessment	
		11	0.482		
	As received	12	0.579		
		13	0.414		
		14	0.565		
Sodium chloride test	Simulated wearing treatment	15	0.682	1	
cinioriae test	16	0.595	1		
		17	0.772	1	
	Mechanical strength+ Temperature conditioned	18	0.841	Pass	
	Conditioned	19	0.714		
	As received	20	4.61		
		21	4.55		
		22	4.76		
	Simulated wearing treatment	23	4.92	1	
Paraffin oil test		24	4.88		
test		25	5.19		
		26	5.27		
	Mechanical strength+ Temperature conditioned	27	5.44		
	Conditioned	28	5.31		
Flow condition	Flow conditioning: Single filter: 95.0 L/min				

## **Table 7.11 Flammability**

Test specification: EN 149-2001 Clause 8.6

Condition	Sample No.	Result	Assessment
A 1	29	Burn for 1 s	
As received	30	Burn for 1 s	D
Temperature	31	Burn for 1 s	Pass
conditioned	32	Burn for 1 s	

Report No: 2020 (D) - 0778 Page 9 of 10

Table 7.12 Carbon dioxide content of the inhalation air

Test specification: EN 149-2001 Clause 8.7

Condition	Sample No.	Result		Assessment
	33	0.39%		
As received	34	0.41%	Mean value 0.4%	Pass
	35	0.40%		

**Table 7.16 Breathing resistance (mbar)** 

Test specification: EN 149-2001 Clause 8.9

,	Flow rate		36			37				38							
As received			Α	В	C	D	Е	Α	В	C	D	Е	Α	В	C	D	Е
	Inhalation	30 l/min	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.6	0.4	0.5	0.5	0.6	0.6	0.5	0.4
		95 l/min	1.6	1.6	1.8	1.6	1.8	1.7	1.7	1.8	1.6	1.6	1.8	1.7	1.6	1.8	1.7
	Exhalation	160 l/min	1.9	2.1	1.9	1.9	2.1	1.9	2.0	2.1	2.0	2.1	2.1	2.0	2.0	2.1	2.1
	Flow rate		39			40			41								
Simulated			Α	В	С	D	Е	A	В	С	D	Е	Α	В	С	D	Е
wearing	Inhalation	30 l/min	0.6	0.6	0.6	0.4	0.5	0.5	0.6	0.4	0.5	0.4	0.6	0.5	0.5	0.5	0.5
treatment		95 l/min	1.8	1.8	1.8	1.8	1.7	1.6	1.7	1.7	1.7	1.8	1.6	1.8	1.7	1.6	1.7
	Exhalation	160 l/min	2.1	2.0	2.0	2.0	2.0	1.9	2.0	2.1	2.0	2.0	2.0	2.0	1.9	2.1	2.0
	Flow rate		42			43				44							
Tommomotumo			Α	В	С	D	Е	Α	В	С	D	Е	Α	В	С	D	Е
Temperature conditioned	Inhalation	30 l/min	0.6	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.6	0.6	0.4
conditioned		95 l/min	1.7	1.8	1.6	1.7	1.8	1.8	1.7	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.7
	Exhalation	160 l/min	2.1	1.9	2.0	2.0	2.0	2.1	2.0	2.0	2.0	1.9	1.9	2.1	2.0	2.0	2.0
Assessment							Pas	s									

A: facing directly ahead; B: facing vertically upwards; C: facing vertically downwards; D: lying on the left side; E: lying on the right side



Report No: 2020 (D) - 0778 Page 10 of 10

## ANNEX B PHOTOS OF SAMPLES







**End of Annex B** 





中国认可 国际互认 检测 TESTING CNAS L1499

#### National Quality Supervision and Testing Center for Personal Protective Equipment (Beijing) (Testing Laboratory for Labour Protection Products of Beijing Municipal Institute for Labour Protection)

No.55 Taoranting Street, Xicheng District, Beijing, China.

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The Testing Center is accredited for compliance with ISO/IEC 17025.

The results of tests, calibrations and/or measurements included in this document are traceable to Chinese/national standards.

CNAS is a signatory to the ILAC mutual recognition arrangement for the mutual recognition of the equivalence of testing, calibration and inspection reports.

#### **TEST REPORT**

#### Particulate respirator-half facepiece

EN 149: 2001 +A1: 2009 Respiratory protective devices — Filtering half masks to protect against particles — Requirements, testing, marking

**Product:** Particle filtering half mask

**Report No:** 2021 (D) - 0073

Client: CCQS Certification Services Limited

**Model (s): KADI-001** 

Date(s) of tests: 2021.04.20-2020.05.07

#### **DESCRIPTION OF SAMPLES**

General Information

Classification Main Components
FFP2 NR Orange folding mask
HEFEI KADI BIOLOGICAL PHARMACEUTICAL CO., LTD

Manufacturer Address

No. 3 Building, Workshop 3 Xiwei San Road, Feidong Economic Development Zone,

HEFEI, Anhui China

Signed:

陈倬为 Chen Zhuowei

Authorized Signatory, Lab Director

Issued: 2021.05.07

Page 1 of 5

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国家赞动保护原品属量整督检验中如(北京)

Report No: 2021 (D) - 0073

#### **Conditions:**

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The authenticity of this test report and its contents can be verified by contacting the laboratory.

## Test Results

#### 7.9.1 Total inward leakage

/ 1

For particle filtering half masks fitted in accordance with the manufacturer's information, 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

and, 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

Note1: FFP2 respirator. Test results are shown in Annex A Table 7.9.1-A&B.



Report No: 2021 (D) - 0073

## **Annex A: Summarization of Test Data**

Table 7.9.1-A Inward leakage test data

Test specification: EN 149: 2001+A1: 2009 Clause 8.5

Subject	Sample No.	Condition	Walk(%)	Head Side/side(%)	Head up/down(%)	Talk(%)	Walk(%)	Mean(%)		
Yi	1	A.R.	5.33	5.73	5.96	5.60	5.78	5.7		
Gong	2	A.R.	6.24	6.47	6.61	6.50	6.25	6.4		
Yu	3	A.R.	5.96	6.13	6.31	6.10	5.95	6.1		
Hu	4	A.R.	6.23	6.37	6.53	6.23	6.68	6.4		
Xu	5	A.R.	8.23	8.50	8.67	8.52	8.36	8.5		
Deng	6	T.C.	6.93	7.14	7.36	7.16	6.92	7.1		
Zhang	7	T.C.	8.19	8.37	8.63	8.47	8.28	8.4		
Zhi	8	T.C.	7.42	7.57	7.74	7.50	7.37	7.5		
Fang	9	T.C.	6.17	6.35	6.44	6.27	6.10	6.3		
Lv	10	T.C.	7.15	7.40	7.63	7.23	7.10	7.3		
	All <u>50</u> individual exercise results were not greater than <u>11</u> % out of the <u>10</u> individual wearer arithmetic means were not greater than <u>8</u> %							/		

Table 7.9.1-B Facial dimension

Subject	Face length	Face Width	Face Depth	Mouth Width		
Yi	120	130	109	59		
Gong	122	140	115	65		
Yu	119	160	139	55		
Hu	112	122	119	63		
Xu	110	130	118	60		
Deng	115	119	110	59		
Zhang	112	123	113	55		
Liu	103	130	100	50		
Zhi	118	139	130	63		
Fang	115	129	120	50		
Chen	116	150	132	56		
Lv	110	121	110	53		

Test	Uncertainty
Total inward leakage	4.1%

### End of Annex A

## ANNEX B PHOTOS OF SAMPLES









End of Annex B