

FFP2 Schutzmaske (Konformitätserklärung, Zertifikate & Test Report)

EU-Konformitätserklärung

Hersteller: 
Handelsmarke
Produktname FFP2 Schutzmaske
Modell JY-MF-B1
Type FFP2 NR
Einstufung: PSA (EU) 2016/425, Kategorie III

Konformitätsbewertung:

Einhaltung nach EU Verordnung (EU) 2016/425

Hiermit erklären wir, dass die oben genannten Produkte der Umsetzung in nationales Recht, den Bestimmungen der folgenden EU-Verordnung und Normen entsprechen. Alle unterstützenden Dokumentationen werden in den Räumlichkeiten des Herstellers aufbewahrt.

Für die Erklärung ist ausschließlich der Hersteller verantwortlich und trifft auf die allgemein gültige Verordnung zu:

Verordnung: (EU) 2016/425

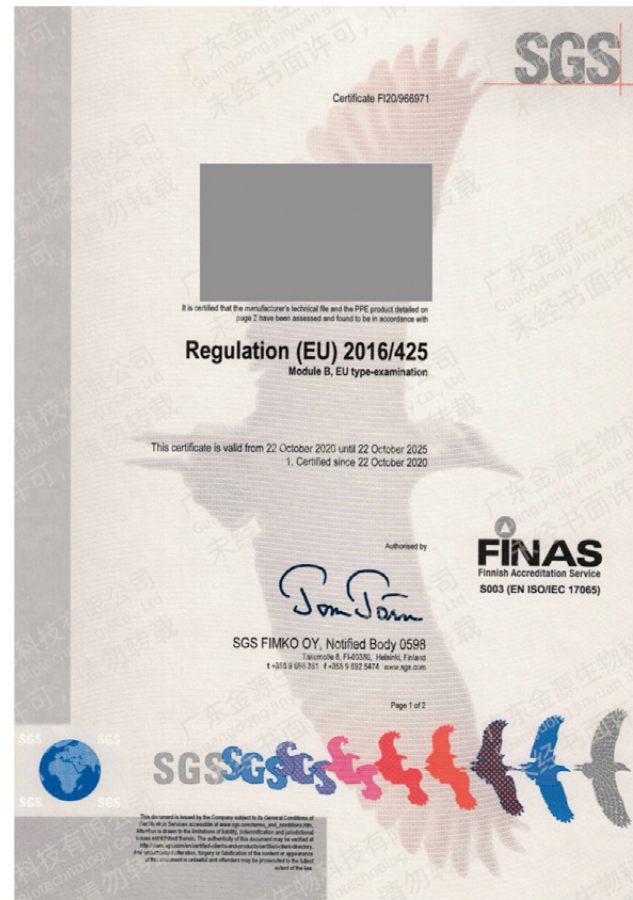
Angewandte Normen/Standards:

EN 149:2001 + A1:2009

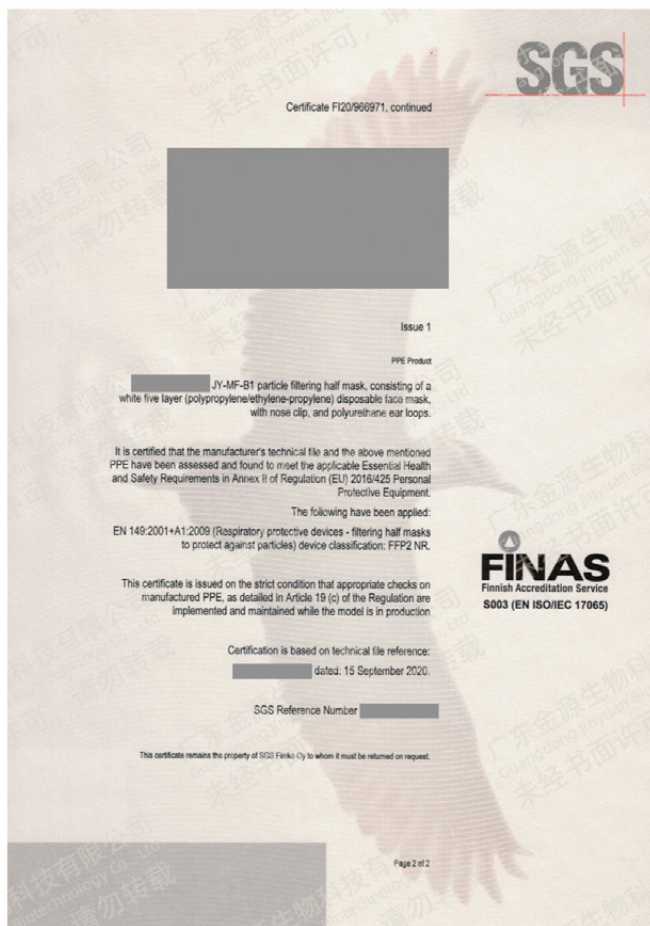
Die Zertifikate wurden basierend auf der EU Verordnung (EU) 2016/425 (Kategorie III), nach Modul B und Modul C2 mit der Referenznummer: FI20/966971 und CN20/42409 von der benannten Stelle 0598 SGS Fimko OY ausgestellt.

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Sample Description	:	(A)Protective mask
Claimed	:	FFP2

Style No. : JY-MF-B1
Sample Color : (A)WHITE

Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Jun 03, 2020
Testing Period : Jun 03, 2020 - Jun 22, 2020

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).

Sample No.	Recommendation Level
(A)	FFP2 NR

Sara Guo
Sara Guo (Account Executive)



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Clause 7.9.1 Total Inward Leakage
(EN 149:2001+A1:2009, Clause 8.5)

Clause 7.9.1 Total Inward Leakage
(EN 149:2001+A1:2009, Clause 8.5)

Test Requirement	Results	Comment
Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.	No sharp edges or burrs	Pass

Clause 7.9.1 Total Inward Leakage
(EN 149:2001+A1:2009, Clause 8.5)

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(EN 149:2001+A1:2009, Clause 8.5)

Test Requirement	Results	Comment
The total inward leakage consists of three components: face seal leakage, exhalation value leakage (if exhalation value fitted) and filter penetration. 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 the 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: 20% for FFP1, 9% for FFP2, 5% for FFP3	Detail refer to Appendix 1	Pass

Appendix 1: Summarization of Test Data

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Inward Subject Test Data								
Subject	Sample No.	Condition	Walk(%)	Head Side/side(%)	Head up/down(%)	Talk(%)	Walk(%)	Mean(%)
Zhou	1	A.R.	5.57	5.36	5.74	5.55	5.96	5.66
Luo	2	A.R.	5.79	4.99	5.94	5.64	6.57	6.07
Lu	3	A.R.	5.64	4.29	5.66	6.01	6.93	5.71
Wang	4	A.R.	4.21	4.87	4.59	4.33	4.12	4.42
Bao	5	A.R.	3.47	6.18	5.58	5.98	5.98	5.26
Ding	6	T.C.	4.76	4.20	4.48	4.90	4.25	4.61
Li	7	T.C.	7.45	7.35	5.17	6.40	5.24	6.33
Chen	8	T.C.	4.34	5.21	4.09	6.08	5.43	4.83
Song	9	T.C.	5.86	5.66	4.79	6.55	6.70	5.97
Yi	10	T.C.	5.86	5.83	5.85	5.85	5.84	5.84

Facial Dimension(mm)

Facial Dimension(mm)

Subject	Face length	Face Width	Face Depth	Mouth Width
Chen	125	150	120	58
Lu	115	152	107	48
Zhou	115	135	106	52
Li	128	130	107	45
Luo	125	136	100	43
Zheng	128	140	112	55
Wang	120	147	103	48
Song	120	140	100	50
Bao	130	134	104	60
Ding	134	150	110	38



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Liu	120	135	50
Ye	126	137	52

Clause 7.9.2 Penetration of Filter Material (EN 149:2001+A1:2009, Clause 8.11 & EN 13274-2:2019)

Test Requirement			Results	Comment
The penetration of the filter of the particle filtering half mask shall meet the requirements of the following table.				
Classification	Maximum penetration of test aerosol			
	Sodium chloride test 95 l/min	Paraffin oil test 95 l/min		
	% max.	% max.		
FFP1	20	20		
FFP2	6	6		
FFP3	1	1		

Appendix 2: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)
Sodium chloride test	As received	1	0.794
		2	0.828
		3	0.796
	Simulated wearing treatment	4	0.837
		5	0.726
		6	0.838
	Mechanical strength + Temperature conditioned	7	0.927
		8	0.974
Paraffin oil test	As received	9	0.965
		10	0.942
		11	0.838
	Simulated wearing treatment	12	0.958
		13	0.976
		14	0.956
	Mechanical strength + Temperature conditioned	15	0.879
		16	1.148
		17	1.260
		18	1.127

Flow conditioning : Single filter: 95.0 l/min

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Clause 7.10 Compatibility with Skin (EN 149:2001+A1:2009, Clause 8.4 & 8.5)

Test Requirement	Results	Comment
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.	No irritation or any other adverse effect to health	Pass

Clause 7.11 Flammability (EN 149:2001+A1:2009, Clause 8.6)

Test Requirement	Results	Comment
The material used shall not present a danger for the wearer and shall not be of highly flammable nature		
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.	Detail refer to Appendix 3	Pass

Appendix 3: Summarization of Test Data

Flammability

Condition	Sample No.	Result
As received	1	NIL
	2	NIL
Temperature conditioned	3	NIL
	4	NIL

Clause 7.12 Carbon Dioxide Content of The Inhalation Air (EN 149:2001+A1:2009, Clause 8.7)

Test Requirement	Results	Comment
The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1.0 % (by volume)	Detail refer to Appendix 4	Pass

Appendix 4: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result(%)
As received	1	0.4545
	2	0.4534
	3	0.4541

Mean value: 0.45



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Clause 7.13 Head Harness

Clause 7.13 Road Harness
(EN 149:2001+A1:2009, Clause 8.4 & 8.5)

Clause 7.14 Field of Vision

Clause 7.14 Field of Vision
(EN 149:2001+A1:2009, Clause 8.4)

Clause 7.15 Exhaustion Valve(s)

(EN 149:2001+A1:2009, Clause 8.2 & 8.9.1 & 8.3.4 & 8.8)

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Clause 7.16 Breathing Resistance

Clause 7.16 Breathing Resistance
(EN 149:2001+A1:2009, Clause 8.9)

Appendix 5: Summarization of Test Data

Breathing resistance (mbar)

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



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Clause 7.17 Clogging

(EN 149:2001+A1:2009, Clause 8.9 & 8.10)

Test Requirement	Results	Comment																	
Clause 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	Optional for single shift device only	N.A.																	
Clause 7.17.3 Penetration of filter material All types (valved and valveless) of particle filtering half masks claimed to meet the clogging requirement shall also meet the requirements.	Optional for single shift device only	N.A.																	
<table border="1"> <thead> <tr> <th rowspan="2">Classification</th><th colspan="2">Maximum penetration of test aerosol</th></tr> <tr> <th>Sodium chloride test 95 L/min</th><th>Paraffin oil test 95 L/min</th></tr> <tr> <th>n</th><th>%</th><th>%</th></tr> </thead> <tbody> <tr> <td>FFP1</td><td>20</td><td>20</td></tr> <tr> <td>FFP2</td><td>6</td><td>6</td></tr> <tr> <td>FFP3</td><td>1</td><td>1</td></tr> </tbody> </table>	Classification	Maximum penetration of test aerosol		Sodium chloride test 95 L/min	Paraffin oil test 95 L/min	n	%	%	FFP1	20	20	FFP2	6	6	FFP3	1	1		
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	Sodium chloride test 95 L/min	Paraffin oil test 95 L/min																	
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Clause 7.18 Demountable Parts

(EN 149:2001+A1:2009, Clause 8.2)

Test Requirement	Results	Comment
All demountable parts (if fitted) shall be readily connected and secured, where possible by hand	No demountable parts	N.A.

Test	Uncertainty
Total inward leakage	3.4%
Penetration of filter material	4.8%
Carbon dioxide content of the inhalation air	3.9%
Breathing resistance (50L/min)	5.9%
Breathing resistance (95L/min)	4.9%
Breathing resistance (160L/min)	4.3%

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Sample Photo



End of Report



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