



中国认可
国际互认
检测
TESTING
CNAS L0599

Test Report

SL52035261635501TX

Date: July 09, 2020

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ANHUI SUBOLUN GARMENT CO., LTD.
NANSAN ROAD, TONGCHENG ECONOMIC DEVELOPMENT ZONE, ANQING CITY, ANHUI PROVINCE

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

Sample Description : (A)Folding mask
Style No. : SBL902
Composition : (A)Melt-blown fabric, Non-woven fabric, Hot air cotton
Sample Color : (A)White
Manufacturer : ANHUI SUBOLUN GARMENT CO., LTD.
Previous Report No. : SL52025258510601TX
Test Performed : Selected test(s) as requested by applicant
Sample Receiving Date : Jun 28, 2020
Testing Period : Jun 28, 2020 - Jul 09, 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).

Based on the results of the tests reported and the previous report SL52025258510601TX issued on Jun 24, 2020, our Lab concluded that the recommendation level can be as below.

Sample No.	Recommendation Level
(A)	FFP2 NR

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center

Sara Guo

Sara Guo (Account Executive)



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing Center, 888 Yishan Road, Jiahua Road, Shanghai, China

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Test Result

Respiratory Protective Devices — Filtering Half Masks to Protect against Particles — Requirements, Testing, Marking

(EN 149:2001+A1:2009)

Clause 7.4 Packaging

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

Test Requirement	Results	Comment
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.	Comply	Pass

Clause 7.7 Practical Performance

(EN 149:2001+A1:2009, Clause 8.4)

Test Requirement	Results	Comment
The particle filtering half mask shall undergo practical performance tests under realistic conditions. These general tests serve the purpose of checking the equipment for imperfections that cannot be determined by the tests described elsewhere in this standard.	No imperfections	Pass

Clause 7.8 Finish of Parts

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

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

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Clause 7.9.1 Total Inward Leakage

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

Test Requirement	Results	Comment
<p>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 total inward leakage shall be not greater than: 25% for FFP1, 11% for FFP2, 5% for FFP3</p> <p>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</p>	Detail refer to Appendix 1	Meet FFP1, Meet FFP2

Appendix 1: Summarization of Test Data

Inward Leakage Test Data

Subject	Sample No.	Condition	Walk(%)	Head Side(side)(%)	Head up/down(%)	Talk(%)	Walk(%)	Mean(%)
Zhou	1	A.R.	6.01	6.13	6.84	5.61	6.06	6.13
Luo	2	A.R.	7.01	7.19	7.02	8.11	6.35	7.14
Lu	3	A.R.	5.73	6.94	5.75	6.32	5.67	6.08
Wang	4	A.R.	4.85	4.54	6.07	5.22	5.07	5.15
Bao	5	A.R.	6.94	7.33	7.37	6.72	7.62	7.20
Ding	6	T.C.	6.01	4.81	6.70	6.20	4.40	5.62
Li	7	T.C.	8.26	6.62	7.93	6.37	7.84	7.40
Chen	8	T.C.	5.49	4.96	5.92	4.20	7.74	5.66
Song	9	T.C.	6.45	6.96	5.71	6.71	7.13	6.59
Ye	10	T.C.	6.71	6.97	7.74	8.36	7.37	7.43

Facial Dimension(mm)

Subject	Face length	Face Width	Face Depth	Mouth Width
Chen	125	150	120	58
Lu	115	132	107	48
Zhou	115	135	106	52
Li	125	130	107	46
Luo	125	136	100	43
Zheng	128	140	112	55
Wang	120	147	103	48
Song	120	140	100	50
Bao	130	134	104	50
Ding	134	150	110	52
Liu	120	135	117	50
Ye	126	137	105	52

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Clause 7.13 Head Harness

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

Test Requirement	Results	Comment
The head harness shall be designed so that the particle filtering half mask can be donned and removed easily.	Comply	Pass
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.	Comply	

Clause 7.14 Field of Vision

(EN 149:2001+A1:2009, Clause 8.4)

Test Requirement	Results	Comment
The field of vision is acceptable if determined so in practical performance tests.	Comply	Pass

Clause 7.18 Remountable 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 (30L/min)	5.9%
Breathing resistance (95L/min)	4.9%
Breathing resistance (160L/min)	4.3%

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End of Report

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