





Test Requirement:

According to the requirement of the Module C2 (SPC CE-062_EN M5 PPE) of Applus+, the test item(s) of the sample is according to the standard EN149:2001+A1:2009.

Product name: FILTERING HALF MASK

Report No.: PTC21020501001C-EN01

APPLUS +With ID

number:

21/32300775

Client: Jiangmen Yanyang Trading Co., Ltd.

Client Address: No. 18 Xinyi Road, Jianghai District, Jiangmen, Guangdong, China

Manufacturer: Jiangmen Yanyang Trading Co., Ltd.

Manufacturer Address: No. 18 Xinyi Road, Jianghai District, Jiangmen, Guangdong, China

Contact: Lang Xuechun

Model(s): YY0525

Classification: FFP2 NR

Date of Tests: 2021.03.04~2021.03.10

Signed for and on Behalf of PTC

Prepare by: Checked by:

Approved by:

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Summary of assessment

Clause	Assessment
7.3 Visual inspection	PASS
7.5 Material	PASS
7.9.1 Total inward leakage	PASS
7.9.2 Penetration of filter material	PASS
7.12 Carbon dioxide content of the inhalation air	PASS
7.16 Breathing resistance	PASS
7.18 Demountable parts	PASS

Remark:

PASS: comply with requirement of standard

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Test Result:

Requirement

Test Result

Conclusion

7.3 Visual inspection

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

Comply

Pass

7.5 Material

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.

No mechanical failure after undergoing the conditioning described in 8.3.1,

Pass

No collapse when conditioned in accordance with 8.3.1 and 8.3.2.

7.9.1 Total inward leakage

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.

FFP2, Test results are shown in Annex A Table 7.9.1-A&B

Pass

7.9.2 Penetration of filter material

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%
FFP2	≤6%	≤6%
FFP3	≤1%	≤ 1%

FFP2 , Test results are shown in Annex A Table 7.9.2.

Pass

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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)

Test results are shown in Annex A Table 7.12.

Pass

7.16 Breathing resistance

	Maximum permitted resistance (mbar)								
Classification	G C Inhal	Exhalation							
6, 6,	30 l/min	95 l/min	160 l/min						
6 FFP1 0	0.6	2.1	3.0						
FFP2	0.7	2.4	3.0						
FFP3	1.0	3.0	3.0						

FFP2. Test results are shown in Annex A Table 7.16.

Pass

7.18 Demountable parts

All demountable parts (if fitted) shall be readily connected and secured, where possible by hand

Comply

Pass

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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 (%)
Lv	1	A.R	2.9	3.7	3.7	4.0	3.8	3.6
(Li	2	A.R	4.0	4.7	5.4	4.4	3.6	4.4
Zhong	3	A.R	3.3	4.9	5.0	4.3	3.5	4.2
Xu	4	A.R	4.2	4.9	5.3	5.7	4.1	4.8
Ма	5	A.R	3.3	4.8	4.9	5.2	4.2	4.5
Chen	6	T.C	3.0	3.7	4.3	4.5	3.5	3.8
Chen	7	T.C	4.2	5.6	5.6	5.8	5.0	5.2
Zhuo	8	T.C	3.1	3.7	5.0	5.0	4.6	4.3
Chen	9	T.C	3.4	4.8	5.2	4.9	4.2	4.5
Zhang	10	T.C	5.0	5.5	5.2	5.7	4.0	5.1

Table 7.9.1-B: Facial dimension

Subject	Face Length	Face Width	Face Depth	Mouth Width
Lv	113	139	104	53
O ZOLIZO	120	135	112	55
Zhong	108	135	106	56
Xu	120	150	120	70
Ma	130	170	80	
Chen	110	160	40	
Chen	115	145	110	50
Zhuo	103	146	50	
Chen	110	145	40	
Zhang	144	141	54	

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Table 7.9.2: Penetration of filter material

Test specification: EN 149:2001+A1:2009 Clause 8.11

Aerosol	Condition	Sample No.	Penetration (%)	Assessment
		211	0.6	-1
	As received	12	0.2	
		13	0.2	4 4 4
40 KG KG	10 X0 10 10 X0	0 14	0.1	X0 X0 3
odium chloride test	Simulated wearing treatment	15	0.1	
	12/12/20 20 20	16	0.1	2 C 1 2
	Mechanical strength + Temperature conditioned	17	2.0	
		18	2.7	1 1 1 1
0, 0, 0,	Temperature conditioned	C 19	0 1.90 0	20 BO 2
4 6 6		20	0.6	Pass
C NO NO	As received	21	1.3	40 40 X
F. C. C.		22	0.1	
		23	0.4	\$ 6 6
Paraffin oil test	Simulated wearing treatment	24	0.2	70 70 x
51 6, 8, 6	6, 6, 6, 6	25	0.9	6, 6, 6
Ke Ke Ke I	KO KO KO KO	26	3.2	40 NO N
6 6 6	Mechanical strength + Temperature conditioned	27	2.7	0 0
TO THE WAY	Tomporatare conditioned	28	4.1	0000

Table 7.12: Carbon dioxide content of the inhalation air

Test specification: EN 149:2001+A1:2009 Clause 8.7

Condition	Sample No.	F	Assessment	
1 10	29	0.04		7
As received	30	0.04	Mean value:	Pass
NO NO NO	31	0.04	0.04	

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Table 7.16: Breathing resistance (mbar)

Test specification: EN 149:2001+A1:2009 Clause 8.9

6 6	Flow Ra	ite	32					33				6		34	77-		
10 10	Inhalation	Inhalation 1/min			0.24					ZO ZO 0.26				0.25			
As received	imalation	95 I/min	0.75				0.75					0.77					
6, 60	Exhalation 160 l/min	100000000000000000000000000000000000000	А	В	c)	D	E	А	В	С	D	E	А	В	С	D	Е
X6 X6		I/min	0.94	0.94	0.98	0.96	0.94	0.94	0.94	0.92	0.92	0.92	0.91	0.93	0.93	0.93	0.92
0.00	Flow Rate		1		35		G	-		36					37	1	
Simulated wearing Inhalation treatment	30 l/min	8	· d	0.23		1	73	8	0.23	6	6,	4	0	0.23	1	5,	
	Innalation	95 I/min	0.90				0.89				0.89						
AO AC	Exhalation	160	Α	В	C	D	Е	Α	В	С	D	E	Α	В	С	D	E
8, 8,		I/min	1.39	1.39	1.34	1.39	1.36	1.40	1.38	1.35	1.37	1.36	1.37	1.37	1.38	1.38	1.34
The state of	Flow Rate			V 6	38	χÜ,	300	0	39			40				2/10	
Temperature	Lubalatian S	30 I/min	0.21				0.23				0.22				40		
conditioned	Inhalation	95 l/min			0,82			×_	X	0.83	1	, <		. Y	0.81		
[] P	Exhalation	160	Α	В	6	D	E	А	В	a	D	E	Α	В	С	D	E
20 00		l/min	1.13	1.16	1.11	1.16	1.14	1.14	1.14	1.14	1.15	1.13	1.13	1.16	1.09	1.12	1.11
Assessment	76.		- 17					Pa	ss		- 12						

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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Test	Uncertainty
Total inward leakage	3.8%
Penetration of filter material(NaCl)	3.5%
Penetration of filter material(Paraffin oil)	4.2%
Carbon dioxide content of the inhalation air	4.5%
Breathing resistance(30L/min)	5.2%
Breathing resistance(95L/min)	5.4%
Breathing resistance(160)L/min)	6.0%

Photo(s) of Sample:



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CADLIGHT Certificate of conformity

Product Name: PILTERING HALF MASK

Model: YY0525

Size: 155*105mm (±5mm)

Quantity: 25pcs/box

Main Material: 50% non-woven fabric, 33.33%

melt-blown fabric, 16,83% hat air

Excutive Standard: EN 149:2001+A1:2009 FFR2 NR

Production Date: 93.MAR.2024

Lot Number, 20219303

Expiry Date: 02.MAR.20.

Manufacturer: Jiangmen Yanyang Trading Co., Ltd.

Address: NO. 18 Xinyi Road, Jianghai District,

Jiangmen City, Guangdong Province

Non-medical use

MADE IN CHINA

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