











Report No.:[2021] WSZ FHL NO.D0076

Product Name _	Filtering half mask			
Applicant _	BINIC INDUSTRIAL CORPORATION LIMITED			
Manufacturer _	JIFA GROUP CO.,LTD.			
Test Type	Entrusted inspection			

Jiangsu Guojian Testing Trainclogy Co.,Ltd

3/F., Unit D. Xingye Building, Tuhu international Tech Park, Wuxi, Jiangsu, China





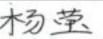
	I COU I	cport				
	F25 1 1 15 1	Model name				
Product name	Filtering half mask	Brand				
Laboratory/Add	Jiangsu Guojian Testing Technolo 3/F., Unit D, Xingye Building, Ta		, Wuxi, Jiangsu, China			
Applicant/Add/Tel	BINIC INDUSTRIAL CORPORATION LIMITED/NO.275 Shengfan Rd.,Kunshan City Jiangsu.P.R. China/13816584063					
Manufacturer/Add/Tel	JIFA GROUP CO.,LTD./Jiangnan Industrial Park, Nanma Town, Dongyang City, Zhejiang Province/—					
Sample classification	FFP2	Sample number	GWD0076-2021			
Sample quantity	40 pcs	Date of receipt of sample	18/02/2021			
Test type	Entrusted inspection	Article/Batch/Style number	20210103A			
Date(s) of performance of tests	18/02/2021~24/02/2021	Testing location	Same as the Laboratory			
Sample state	Meeting the requirements of testings	Sample description	Refer to page 3			
Test standard(s)	EN 149:2001+A1:2009 Respirate against particles -Requirements,to	[17] [17] [18] [18] [18] [18] [18] [18] [18] [18	ring half masks to protect			
Test item(s)	Head harness, penetration of filte	r material, breathing resistar	nce, total inward leakage			
Test result	The details of test results see on I	《国籍拉视技术者	12/2021			
Note	The test results presented in this r	report relate only to the subr	mitted sample as received.			

Su Hequn 志· 於释

Wan Heng

为恒

Yang Ying



Approver(name, signature)

Reviewer(name, signature)

Chief Tester(name, signature)

Sample description:	White				
Test item particulars:					
Type of useuse:	re-useable particle filtering half mask				
	⋈ single shift only particle filtering half mask				
Classes of devices:	☐ FFP1 ⊠ FFP2 ☐ FFP3				
Exhalation valve(s):	☐ Yes ⊠ No				
Inhalation valve(s):	☐ Yes ☒ No				
Designed to protect against both solid &liquid aerosols.:	⊠ Yes □ No				
Possible test case verdicts:					
- Test case does not required to the test object:	NRq(Not required)				
- Test case does not apply to the test object:	N/A (Not Applicable)				
- Test object does meet the requirement:	P (Pass)				
- Test object does not meet the requirement:	F (Fail)				
General remarks:	7 (20)				
The test results presented in this report relate only to the su	bmitted sample as received.				
This report shall not be reproduced, except in full, without	at the written approval of the issuing Laboratory can provide				
assurance that parts of a report are not taken out of context					
Determination of the test results includes consideration methods.	of measurement uncertainty from the test equipment and				
Throughout this report a $\ \square$ comma / $\ \boxtimes$ point is used	as the decimal separator.				
Environmental condition of the testing in this report:					
1) Unless otherwise specified, the ambient temperature for to	esting shall be 25 °C;				
2) T.C. Temperature conditioned:					
a) for 24 h to a dry atmosphere of 70 °C; b) for 24	h to a temperature of -30 °C;				
26.00 6 - 43.3					







[2021] WSZ FHL NO.D0076

(CLNo.)	Test	item	Unit	Technical requirement		Test re	sult		Single item decision
				1.1877	A.R. ¹⁾	0.1%	0.1%	0.1%	
	Sodium chloride		≤ 6%	S.W. ¹⁾	0.2%	0.1%	0.2%	Pass	
	100000000			M.S+T.C. ²⁾	0.3%	0.3%	0.2%		
				A.R. ¹⁾	0.2%	0.3%	0.2%		
1	Leakage— Penetration of	Paraffin oil		≤ 6%	S.W. ¹⁾	0.6%	0.5%	0.5%	Pass
(7.9.2)	filter material				M.S+T.C. ²⁾	3.1%	2.8%	3.0%	
		Note: The penetrat	tion of th	he filter of the particle filtering h	alf mask shall	meet the	requiren	nents bel	low:
		The penetrat Maximum pe	enetratio	n of sodium chloride aerosol test 9	5 l/min max, FI	FP1: 20%	, FFP2:	6%, FFP:	3: 1%
2		The penetrat Maximum pe	enetratio		5 l/min max, FI	FP1: 20% 20%, FFI All particl ma	, FFP2:	5%, FFP: FFP3: 1% ces ig half the	3: 1%



Table A- Leakage-Total Inward Leakage

S.No. (Cl.No.)	Test item	Unit	Technical requirement	592		Test	t result				Single item decision				
4/2000			Exercises	E1 (%)	E2 (%)	E3 (%)	E4 (%)	E5 (%)	TIL (%)						
1			At least 46 out of the 50 individual		2.2	2.4	2.9	3.4	2.3	2.6					
			exercise results	1	1,6	2.2	2.5	2.7	2.1	2.2					
		1	shall be not greater than 11%; And in addition, at least 8	A.R.	0.7	0.9	1.2	2.2	0.7	1.1					
2	Laskaga Total				2.1	2.7	3.6	4.2	2.5	3.0					
3 Leakage—Total (7.9.1) inward leakage	-	out of the 10 individual wearer arithmetic means for the total inward		1.9	2.3	3.1	3.7	2.1	2.6	Pass					
				2.5	3.1	3.8	4.2	2.6	3.2						
				1.7 2.0	3.4	2.8	2.1	2.5							
	10137738			leakage shall be not greater than				T.C.	1.8	2.1	2.8	2.4	2.1	2.2	1
	1	8%.		0.9	1.2	1.8	2.3	1.1	1.5						
		(1)	2.5	3.4	3.9	3.5	2.7	3.2							

Note I:

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

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.

Table A-1- Test subjects-Facial dimension

Subject	Face Length(mm)	Face Width(mm)	Face Depth(mm)	Mouth Width(mm)
1	120	130	109	59
2	122	140	115	65
3	119	160	139	55
4	112	122	119	63
5	110	130	118	60
6	115	119	110	59
7	112	123	113	55
8	103	130	100	50
9	118	139	130	63
10	115	129	120	50



Table B- Breathing Resistance

S.No.					14/3		Test	result										
(CL Test item No.)	Test item Unit	/nit Technical requirement	Exercises	Facing directly ahead	Facing vertically upwards	Facing vertically downwards	Lying on the left side	Lying on the right side	Single item decision									
						0.5	0.4	0.5	0.4	0.4								
					A.R.	0.4	0.4	0.5	0.4	0.5								
						0.5	0.4	0.5	0.5	0.5								
97		25000				0.5	0.4	0.5	0.5	0.4								
		Inhalation 30 L/min		≤ 0.7	S.W.	0.4	0.4	0.4	0.4	0.4	Pass							
					1110	0.5	0.4	0.5	0.4	0.4								
					988	0.4	0.4	0.4	0.4	0.4								
					T.C.	0.5	0.4	0.5	0.4	0.4	9/							
						0.4	0.4	0.4	0.4	0.4								
					A.R.	1.4	1.3	1.4	1.4	1.3	章一							
						1.3	1.2	1.3	1.3	1.3								
						1.4	1.3	1.4	1.4	1.4								
	D 41		W 47	D. A.	Describion	D. A.	bearrance	learners.	leanara.			160	1.4	1.4	1.4	1.4	1.4	
427 Ave. 144	Breathing resistance	mhar	mbar	r ≤ 2.4	S.W.	1.4	1.3	1.4	1.4	1.4	Pass							
	remande					1.4	1.3	1.4	1.4	1.4								
	1					1.4	1.3	1.4	1.3	1.4								
	1111				T.C.	1.4	1.3	1.4	1.3	1.3								
- 1	7							1.4	1.3	1.4	1.3	1.3						
						2.7	2.6	2.7	2.7	2.7								
7					A.R.	2.7	2.7	2.8	2.7	2.7								
						2.7	2.6	2.6	2.6	2.7								
			1.			2.6	2.6	2.6	2.7	2.7								
		Exhalation 160 L/min		≤ 3.0	S.W.	2.7	2.7	2.8	2.7	2.7	Pass							
			1			2.6	2.6	2.7	2.7	2.7								
			168			2.7	2.6	2.7	2.7	2.6								
			13		T.C.	2.6	2.6	2.6	2.6	2.7								
			9			2.7	2.6	2.7	2.7	2.6								

Note 1: Limitation may need be changed according to classification, refer to Table 2 — Breathing resistance of EN 149:2001 +A1:2009 for the Technical requirements.



Abbreviations:				
A.R. As received	M.S. Mechanical strength	S.W. Simulated wearing treatment		
T.C. Temperature conditioned	F.C. Flow conditioned	C.D. Cleaning and Disinfecting		

Annex A- Estimates of the uncertainty of measurement

Test item	Uncertainty		
Total inward leakage	2.98%		
Penetration of filter material	1.00%		
Breathing resistance	1.90%		

Annex B- Sample Photo

















The end













Report No.:[2021] WSZ FHL NO.D0078

Product Name _	Filtering half mask
Applicant _	BINIC INDUSTRIAL CORPORATION LIMITED
Manufacturer _	JIFA GROUP CO.,LTD.
Test Type	Entrusted inspection

Jiangsu Guojian Testing, eximology Co.,Ltd

3/F., Unit D, Xingye Building, Tuhu anternational Tech-Park, Wuxi, Jiangsu, China





	T C S C A .	- Port	
Due du et manue	Ellerale a half-mark	Model name	- 1111
Product name	Filtering half mask	Brand	-
Laboratory/Add	Jiangsu Guojian Testing Technol 3/F., Unit D, Xingye Building, To		c, Wuxi, Jiangsu, China
Applicant/Add/Tel	BINIC INDUSTRIAL CORPOR City,Jiangsu.P.R. China/1381658		Shengfan Rd.,Kunshan
Manufacturer/Add/Tel	JIFA GROUP CO.,LTD./Jiangna Zhejiang Province/—	n Industrial Park, Nanma To	own, Dongyang City,
Sample classification	FFP2	Sample number	GWD0078-2021
Sample quantity	40 pcs	Date of receipt of sample	18/02/2021
Test type	Entrusted inspection	Article/Batch/Style number	20210105A
Date(s) of performance of tests	18/02/2021-24/02/2021	Testing location	Same as the Laboratory
Sample state	Meeting the requirements of testings	Sample description	Refer to page 3
Test standard(s)	EN 149:2001+A1:2009 Respirate against particles -Requirements,t		ring half masks to protect
Test item(s)	Head harness, penetration of filte	er material, breathing resista	nce, total inward leakage
Test result	The details of test results see on l	《国星星朋友术》	24/02/2021
Note	The test results presented in this	report relate only to me sub-	mitted sample as received.

Su Hequn 艺、酸释

Wan Heng

Yang Ying

杨莹

Approver(name, signature)

Reviewer(name, signature)

Chief Tester(name, signature)



Sample description:	White				
Test item particulars:					
Type of useuse	re-useable particle filtering half mask				
	⋈ single shift only particle filtering half mask				
Classes of devices:	☐ FFP1 ⊠ FFP2 ☐ FFP3				
Exhalation valve(s):	☐ Yes ⊠ No				
Inhalation valve(s):	☐ Yes ⊠ No				
Designed to protect against both solid &liquid aerosols.:	⊠ Yes □ No				
Possible test case verdicts:					
- Test case does not required to the test object:	NRq(Not required)				
- Test case does not apply to the test object:	N/A (Not Applicable)				
- Test object does meet the requirement:	P (Pass)				
- Test object does not meet the requirement:	F (Fail)				
General remarks:	7 (2.2)				
The test results presented in this report relate only to the su	bmitted sample as received.				
This report shall not be reproduced, except in full, without assurance that parts of a report are not taken out of context	at the written approval of the issuing Laboratory can provide				
Determination of the test results includes consideration methods.	of measurement uncertainty from the test equipment and				
Throughout this report a 🗌 comma / 🗵 point is used	as the decimal separator.				
Environmental condition of the testing in this report:					
1) Unless otherwise specified, the ambient temperature for to	esting shall be 25 °C;				
T.C. Temperature conditioned:					
a) for 24 h to a dry atmosphere of 70 °C; b) for 24 h	h to a temperature of -30 °C;				
and return to room temperature 25 °C for 4 h between expos	ures and prior to subsequent testing.				







[2021] WSZ FHL NO.D0078

S.No. (Cl.No.)	Test	item	Unit	Technical requirement		Test re	sult		Single iten decision
		5			A.R. ¹⁾	0.1%	0.1%	0.1%	
/)		Sodium chloride		≤ 6%	S.W.1)	0.2%	0.1%	0.1%	Pass
					M.S+T.C. ²⁾	0.2%	0.2%	0.2%	
A	433			(A)	A.R.1)	0.2%	0.2%	0.3%	
1	Leakage Penetration of	Paraffin oil		≤ 6%	S.W. ¹⁾	0.4%	0.3%	0.4%	Pass
	filter material	///		M.S+T.C. ²⁾	1.5%	1.7%	1.6%		
		Maximum pe	enetrati	the filter of the particle filtering h on of sodium chloride aerosol test 9 on of paraffin oil aerosol test 95 l/m	5 l/min max. Fl	FP1: 20%	, FFP2:		
		-					2: 6%, 1	FP3: 1%	
2				The head harness shall be designed so that the particle filtering half mask can be donned and removed easily. The	A.R.	All particl ma	of 5 pie le filterin sk meet quiremen	ces ig half the	



Table A- Leakage—Total Inward Leakage

S.No. (Cl.No.)	Test item	Unit	Technical requirement	399		Tes	t result				Single item decision			
						Exercises	E1 (%)	E2 (%)	E3 (%)	E4 (%)	E5 (%)	TIL (%)		
			At least 46 out of the 50 individual		2.1	2.4	2.7	3.2	2.3	2.5				
		exercise results shall be not great than 11%; And is addition, at least out of the 10 individual weare	exercise results	1/1	1.8	2.9	2.8	3.8	2.1	2.7				
	Leakage—Total inward leakage		shall be not greater than 11%; And in addition,at least 8 out of the 10 individual wearer arithmetic means				A.R.	0.5	0.6	0.9	2.3	1.4	1.1	
3				1	2.5	3.4	4.2	3.8	2.9	3.4	Pass A			
7.9.1)					1.6	2.5	3.4	2.9	1.8	2.4				
				7	2.1	2.8	3.4	4.0	2.5	3.0				
		-	for the total inward		1.6	2.4	3.0	4.3	2.1	2.7				
			leakage shall be not greater than	not greater than		T.C.	2.0	2.4	3.1	3.4	2.3	2.6		
S.,			8%.		1.6	1.9	2.8	3.1	1.7	2.2				
			7 /		1.4	1.8	2.1	2.7	1.5	1.9				

Note 1:

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

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.

Table A-1- Test subjects-Facial dimension

Subject	Face Length(mm)	Face Width(mm)	Face Depth(mm)	Mouth Width(mm)
1	120	130	109	59
2	122	140	115	65
3	119	160	139	55
4	112	122	119	63
5	110	130	118	60
6	115	119	110	59
7	112	123	113	55
8	103	130	100	50
9	118	139	130	63
10	115	129	120	50



Table B- Breathing Resistance

S.No.				The state of the s	110		Test	result										
(CL No.)	Test	item	Unit	Technical requirement	Exercises	Facing directly ahead	Facing vertically upwards	Facing vertically downwards	Lying on the left side	Lying on the right side	Single iter decision							
						0.5	0.5	0.6	0.5	0.5								
- 33					A.R.	0.5	0.4	0.5	0.5	0.5								
						0.5	0.5	0.5	0.4	0.5								
		Tabalada.	1			0.5	0.4	0.5	0.5	0.4								
		Inhalation 30 L/min		≤ 0.7	S.W.	0.5	0.4	0.5	0.5	0.5	Pass							
						0.5	0.5	0.5	0.5	0.5								
			146	K 7		33-2	0.5	0.4	0.5	0.5	0.5							
		-			T.C.	0.5	0.5	0.5	0.5	0.5								
						0.5	0.4	0.5	0.5	0.5								
			4			1.3	1.3	1.4	1.3	1.4								
			(3)		A.R.	1.4	1.3	1.4	1.3	1.4								
			39		1	1.4	1.3	1.4	1.3	1.4								
4	Breathing					1/6	1.4	1.4	1.4	1.4	1.4							
77	resistance											mbar	≤ 2.4	S.W.	1.4	1.3	1.4	1.4
	SAME OF THE PARTY					1.4	1.3	1.4	1.4	1.4								
	1137					1.4	1.3	1.4	1.3	1.3								
-	330				T.C.	1.3	1.3	1.3	1.3	1.3								
						1.3	1.3	1.4	1.3	1.3								
						2.8	2.7	2.8	2.8	2.7								
		/ //			A.R.	2.8	2.8	2.8	2.8	2.7								
		660)			2.8	2.7	2.8	2.8	2,7								
		Policies.		-31	1000	2.8	2.8	2.8	2.8	2.7								
		Exhalation 160 L/min	1	≤ 3.0	S.W.	2.8	2.7	2.8	2.8	2.7	Pass							
			1	1113		2.7	2.7	2.8	2.7	2.8								
			9	33/		2.8	2.7	2.8	2.8	2.8								
		10	13		T.C.	2.8	2.7	2.8	2.7	2.8								
		188				2.8	2.7	2.8	2.8	2.7								

Note 1: Limitation may need be changed according to classification, refer to Table 2 — Breathing resistance of EN 149:2001 +A1:2009 for the Technical requirements.



bbreviations:	1.7.7.7.3.3	
A.R. As received	M.S. Mechanical strength	S.W. Simulated wearing treatment
T.C. Temperature conditioned	F.C. Flow conditioned	C.D. Cleaning and Disinfecting

Annex A- Estimates of the uncertainty of measurement

Test item	Uncertainty
Total inward leakage	2.98%
Penetration of filter material	1.00%
Breathing resistance	1.90%

Annex B- Sample Photo

















The end













Report No.:[2021] WSZ FHL NO.D0079

Product Name _	Filtering half mask
Applicant _	BINIC INDUSTRIAL CORPORATION LIMITED
Manufacturer _	JIFA GROUP CO.,LTD.
Test Type	Entrusted inspection

Jiangsu Guojian Testing Testinglogy Co.,Ltd

3/F., Unit D, Xingye Building, Tuhu international Tech-Park, Wuxi, Jiangsu, China





	I CSt IX	cport	
Product	Elitoria e b. 16	Model name	
Product name	Filtering half mask	Brand	-
Laboratory/Add	Jiangsu Guojian Testing Techno 3/F., Unit D, Xingye Building,		rk, Wuxi, Jiangsu, China
Applicant/Add/Tel	BINIC INDUSTRIAL CORPOR City, Jiangsu. P.R. China/138165		5 Shengfan Rd.,Kunshan
Manufacturer/Add/Tel	JIFA GROUP CO.,LTD./Jiangna Zhejiang Province/—	an Industrial Park, Nanma	Town, Dongyang City,
Sample classification	FFP2	Sample number	GWD0079-2021
Sample quantity	40 pcs	Date of receipt of sample	18/02/2021
Test type	Entrusted inspection	Article/Batch/Style number	20210106A
Date(s) of performance of tests	18/02/2021~24/02/2021	Testing location	Same as the Laboratory
Sample state	Meeting the requirements of testings	Sample description	Refer to page 3
Test standard(s)	EN 149:2001+A1:2009 Respirat against particles -Requirements,		tering half masks to protect
Test item(s)	Head harness, penetration of filt	er material, breathing resist	ance, total inward leakage
Test result	The details of test results see on	本国皇检测技术	e date 24 02/2021
Note	The test results presented in this		

Su Hegun

Wan Heng

Yang Ying 杨莹

Approver(name, signature)

Reviewer(name, signature)

Chief Tester(name, signature)

Sample description:	White
Test item particulars:	
Type of useuse	re-useable particle filtering half mask
	is single shift only particle filtering half mask
Classes of devices:	☐ FFP1 ⋈ FFP2 ☐ FFP3
Exhalation valve(s):	☐ Yes ☒ No
Inhalation valve(s):	☐ Yes ⊠ No
Designed to protect against both solid &liquid aerosols.:	⊠ Yes □ No
Possible test case verdicts:	
- Test case does not required to the test object:	NRq(Not required)
- Test case does not apply to the test object	N/A (Not Applicable)
- Test object does meet the requirement:	P (Pass)
- Test object does not meet the requirement:	F (Fail)
General remarks:	7 2 (939)
The test results presented in this report relate only to the su	bmitted sample as received.
This report shall not be reproduced, except in full, without	at the written approval of the issuing Laboratory can provide
assurance that parts of a report are not taken out of context.	and the state of t
Determination of the test results includes consideration methods.	of measurement uncertainty from the test equipment and
Throughout this report a 🗌 comma / 🗵 point is used a	as the decimal separator.
Environmental condition of the testing in this report:	
1) Unless otherwise specified, the ambient temperature for to	esting shall be 25 °C;
2) T.C. Temperature conditioned:	
a) for 24 h to a dry atmosphere of 70 °C; b) for 24 h	n to a temperature of -30 °C;
and return to room temperature 25 °C for 4 h between exposi	ares and prior to subsequent testing.







[2021] WSZ FHL NO.D0079

S.No. (Cl.No.)	Test item		Unit	Technical requirement		Test re	sult		Single iten decision
				1 1339/	A.R. ¹⁾	0.1%	0.1%	0.1%	
/ /		Sodium chloride		≤ 6%	S.W. ¹⁾	0.2%	0.1%	0.2%	Pass
1		The Contract of the Contract o			M.S+T.C. ²⁾	0.2%	0.2%	0.2%	
- 4				- ASS	A.R. ¹⁾	0.2%	0.2%	0.2%	
	Leakage-	Paraffin oil		≤ 6%	S.W. ¹⁾	0.3%	0.2%	0.2%	Pass
1 (7.9.2)	1 Penetration of	Penetration of filter material	M.S+T.C. ²⁾	0.6%	0.6%	0.5%			
				he filter of the particle filtering h					
		The penetrat Maximum pe	enetratio	on of sodium chloride aerosol test 9	5 1/min max. Fl	FP1: 20%	, FFP2:	5%, FFP:	3: 1%
2		The penetrat Maximum pe	enetratio		5 1/min max. Fl	FP1: 20% 20%, FFI All particl ma	, FFP2:	6%, FFP: FFP3: 1% ces og half the	3: 1%



Table A- Leakage-Total Inward Leakage

S.No. (Cl.No.)	Test item	Unit	Technical requirement	392		Tes	t result				Single item decision	
			×		Exercises	E1 (%)	E2 (%)	E3 (%)	E4 (%)	E5 (%)	TIL (%)	
		At least 46 out of the 50 individual exercise results shall be not greater			0.8	1.4	1.7	2.9	1.1	1.6		
				2.4	3.6	3.1	3.4	2.7	3.0			
	1		shall be not greater than 11%; And in addition, at least 8 out of the 10 individual wearer arithmetic means			A.R.	0.4	0.9	1.3	2.1	0.6	1.1
3	Laskage Total	age—Total ird leakage			1.3	1.9	3.4	3.9	1.6	2.4		
(7.9.1)	inward leakage				1.4	2.4	3.5	4.7	1.9	2.8	Pass	
				3	1.6	2.9	4.2	5.1	2.3	3.2	1	
			for the total inward		2.1	3.2	4.6	5.9	2.6	3.7		
	leakage shall not greater th	not greater than	T.C.	1.2	1.5	2.0	2.4	1.3	1.7			
		8%.	8%.		2.3	3.6	3.9	6.2	3.1	3.8		
		(6)	7		3.6	4.1	5.3	6.8	3.8	4.7	10	

Note 1:

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

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.

Table A-1- Test subjects-Facial dimension

Subject	Face Length(mm)	Face Width(mm)	Face Depth(mm)	Mouth Width(mm
1	120	130	109	59
2	122	140	115	65
3	119	160	139	55
4	112	122	119	63
5	110	130	118	60
6	115	119	110	59
7	112	123	113	55
8	103	130	100	50
9	118	139	130	63
10	115	129	120	50



Table B- Breathing Resistance

S.No.					1 / /3		Test	result					
(Cl. No.)	Test	item	Unit	Technical requirement	Exercises	Facing directly ahead	Facing vertically upwards	Facing vertically downwards	Lying on the left side	Lying on the right side	Single item decision		
						0.4	0.4	0.5	0.4	0.5			
	37.				A.R.	0.4	0.4	0.5	0.5	0.5			
	3-1					0.5	0.4	0.5	0.5	0.4			
						0.5	0.5	0.5	0.5	0.5			
		Inhalation 30 L/min		≤ 0.7	S.W.	0.4	0.4	0.5	0.4	0.5	Pass		
				1 4	000	0.5	0.4	0.5	0.4	0.5			
			1			0.4	0.4	0.5	0.4	0.5			
					T.C.	0.5	0.4	0.5	0.4	0.5	1		
			-	- 3	- 3			0.4	0.4	0.4	0.4	0.4	
						1.3	1.3	1.4	1.3	1.4	Pass		
					S.W.	1.4	1.3	1.4	1.4	1.3			
			9//			1.4	1.3	1.4	1.4	1.3			
4	Breathing					1.4	1.3	1.4	1.3	1.4			
(7.16)	resistance		mbar	≤ 2.4		1.4	1.4	1.4	1.4	1.4			
						1.4	1.3	1.4	1.3	1.4			
	1000					1.3	1.3	1.3	1.3	1.3			
	F. Harris					1.4	1.3	1.4	1.3	1.3			
						1.4	1.3	1.4	1.3	1.4			
						2.7	2.6	2.7	2.6	2.7			
		. //			A.R.	2.7	2.7	2.7	2.6	2.7			
		1880		1		2.7	2.6	2.7	2.6	2.7			
			/ //	-51	100	2.7	2.7	2.7	2.7	2.6	Pass		
		Exhalation 160 L/min		≤ 3.0	S.W.	2.7	2.6	2.7	2.7	2.7			
			1	11/1/2		2.7	2.6	2.7	2.6	2.7			
			1	33,7		2.7	2.7	2.7	2.7	2.7			
		-24		7	T.C.	2.7	2.6	2.7	2.6	2.7			
		530	9)			2.7	2.6	2,7	2.6	2.7			

Note 1: Limitation may need be changed according to classification, refer to Table 2 — Breathing resistance of EN 149:2001 +A1:2009 for the Technical requirements.



bbreviations:		
A.R. As received	M.S. Mechanical strength	S.W. Simulated wearing treatment
T.C. Temperature conditioned	F.C. Flow conditioned	C.D. Cleaning and Disinfecting

Annex A- Estimates of the uncertainty of measurement

Test item	Uncertainty
Total inward leakage	2.98%
Penetration of filter material	1,00%
Breathing resistance	1.90%

Annex B- Sample Photo

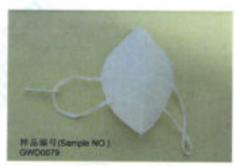
















The end









Report No.: [2020] WSZ FHL NO.6680

Product Name	Filtering half mask
Applicant	UNIVERSAL CERTIFICATION and SURVEILLANCE SERVICES Trade Co.
Manufacturer _	Jifa Group Co.,Ltd
Test Type _	Entrusted inspection

Jiangsu Guojian Testing Technology Co., Ltd. 3/F., Unit D, Xingye Building, Taihu International Tech-Park, Wuxi, Jiangsu, China

Report No.: [2020] WSZ FHL NO.6680

Test Report

	1 10 10 10	Model name	JFM02						
Product name	Filtering half mask	C C C C C C C C C C C C C C C C C C C	31 MO2						
		Brand							
Laboratory/ Add.	Jiangsu Guojian Testing Technology C 3/F., Unit D, Xingye Building, Taihu I		xi, Jiangsu, China						
Applicant/ Add/Tel	UNIVERSAL CERTIFICATION and	VERSAL CERTIFICATION and SURVEILLANCE SERVICES Trade Co.//-							
Manufacturer/ Add/Tel	Jifa Group Co.,Ltd/Jiangnan Develops	nent Area, Dongyang, Zheji	iang, P.R.China 322121/—						
Sample classification	FFP2	Sample number	GW6680-2020						
Sample quantity	Date of rece sample		11/06/2020						
Test type	Entrusted inspection	Article/Batch/Style number							
Date (s) of performance of tests	15/06/2020~23/06/2020	Testing location	Same as the Laboratory						
Sample state	Meeting the requirements of testing	Sample description	Refer to page 3						
Test standard(s)	EN 149:2001+A1:2009 Respiratory particles - Requirements, testing, mark		ring half masks to protect agains						
Test items	Packaging, material, practical perform carbon dioxide content of the inhalation breathing resistance, total inward leak	on air, head harness, field o							
Test conclusion	The samples upon testing comply wit 149:2001+A1:2009. The details of tes								
Note	The test results presented in this report	relate only to the submitted	图						

Lu Bing
Approver (name, signature)

Wan Heng 77 72

Reviewer (name, signature)

Chief Tester (name, signature)

Report No.: [2020] WSZ FHL NO.6680

Sample description:	
Test item particulars:	
Type of use:	re-useable particle filtering half mask
Classes of devices	☐ FFP1 ☒ FFP2 ☐ FFP3
Exhalation valve(s):	☐ Yes ⊠ No
Inhalation valve(s):	☐ Yes ⊠ No
Designed to protect against both solid &liquid aerosols.:	⊠ Yes □ No
Possible test case verdicts:	
- Test case does not be required to the test object:	NRq (Not required)
- Test case does not apply to the test object:	N/A (Not Applicable)
- Test object does meet the requirement:	P (Pass)
- Test object does not meet the requirement:	F (Fail)
General remarks:	
The test results presented in this report relate only to the su	bmitted sample as received.
This report shall not be reproduced, except in full, without assurance that parts of a report are not taken out of context	at the written approval of the issuing Laboratory can provide
Determination of the test results includes consideration methods.	of measurement uncertainty from the test equipment and
Throughout this report a comma / point is used	as the decimal separator.
Environmental condition of the testing in this report:	
1) Unless otherwise specified, the ambient temperature for to	esting shall be 25 °C;
2) T.C. Temperature conditioned:	
a) for 24 h to a dry atmosphere of 70 °C; b) for 24	h to a temperature of -30 °C;
and return to room temperature 25 °C for 4 h between expos	sures and prior to subsequent testing.

S.No. (CLNo.)	Test	item	Unit	Technical requirements	Test result	Single item decision	
1 (7.3)	Visual inspection	Marking/ information	-	Marking and the information supplied by the manufacturer, requirements refer to Cl.9 and Cl.10	The clause were not required	NRq	
2 (7.4)	Packaging	Visual inspection		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.	Particle filtering half masks packaged and protected against mechanical damage and contamination.	Pass	
			_	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.	Materials were suitable withstand handling and wear.		
					Sample 1: neither facepiece nor	1	
3 Material			After undergoing S.W., none of the	straps have mechanical failure	-		
		1001	-	particle filtering half masks shall have suffered mechanical failure of	Sample 2: neither facepiece nor straps have mechanical failure		
	Material	Visual		the facepiece or straps.	Sample 3: neither facepiece nor	Pass	
(7.5)	(7.5)	inspection		and interprete of Strapes	straps have mechanical failure		
		After undergoing S.W. and T.C.	After undergoing S.W. and T.C.,	Sample 4: no collapse	1		
			-	none of the particle filtering half	Sample 5: no collapse		
				masks shall not collapse.	Sample 6: no collapse		
			Any material from the filter released by the air flow through filter shall not constitute a hard or nuisance for the wearer.		Not constitute a hazard or nuisance for the wearer		
4	Cleaning and	d disinfecting		Particle filtering half mask designed to be re-usable, the materials used shall withstand the cleaning and disinfecting agents and procedures to be specified by the manufacturer. Testing shall be done in accordance with 8.4 and 8.5.	☐ Fulfil the requirements after testing, or ☐ The Particle filtering half mask is NOT re-usable according to information supplied by manufacturer	N/A	
(7.6)	(7.6)			With reference to 7.9.2, after cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration requirement of the relevant class. Testing shall be done in accordance with 8.11.	☐ Tests results refer to S. No. 7(7.9.2), or ☐ The Particle filtering half mask is NOT re-usable according to information supplied by manufacturer		

S.No. (CLNo.)	Test i	est item Unit Technical requirements		Unit Technical requirements		Technical requirements Test result						Test result			
		Head harness		Head harness should be comfort.	100000000000000000000000000000000000000	1: has able wea	the fee	eling of							
		comfort		ress and the control.	100000000000000000000000000000000000000	2: has able wea	the fee	eling of							
5	Practical	Security		Fastenings are safe and reliable	Sample	1: All fa	stenings a	re firm	Pass						
(7.7)	performance	fastenings		s section go and and remove	Sample	2: All fa	stenings a	re firm	1 435						
		Field of		Field of vision is acceptable	Sample field	1: Havin	g a wider	visual							
		vision		ried of vision is acceptable	Sample field										
6 (7.8)	Finish of parts	Visual inspection	_	Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.	Parts of the device have no sharp edges and burrs		sharp	Pass							
				≤ <u>6%</u>	A.R. ¹⁾	0.1%	0.2%	0.1%	Pass						
		Sodium	-		S.W.1)	0.1%	0.1%	0.1%							
					M.S+ T.C. ²⁾	0.2%	0.3%	0.2%							
					A.R.1)	0.2%	0.1%	0.1%							
7	Leakage-	Paraffin oil	-	≤ <u>6%</u>	S.W. ¹⁾	0.1%	0.1%	0.2%							
(7.9.2)	Penetration of filter material				M.S+ T.C. ²⁾	0.3%	0.4%	0.4%							
		1) average penetration over a time of 30s, beginning 3 to 2) max. penetration during exposure test reported; Note: The penetration of the filter of the particle filtering hal Maximum penetration of sodium chloride aerosol test 95 Maximum penetration of paraffin oil aerosol test 95 l/min		f mask sha l/min max.	ll meet th	ne requirer	nents bel	: 1%							

S.No. (CLNo.)	Test item	Unit	Technical requirements		Test n	esult	Single iten decision	
8 (7.10) Compatibility with skin			Materials that may come into contact with the wearer's skin shall	A.R. 5 pcs all don't cause irritation				
			not be known to be likely to cause irritation or any other adverse effect to health.	T.C.	5 pcs all d irritation	5 pcs all don't cause irritation		
				A.R.	The Samp Burning ti	le is burning. ime:0.1s		
9	F1		When tested, the particle filtering half mask shall not burn or not to	A.K.	The Sample is burning. Burning time:0.1s		Pass	
(7.11) Flammability			continue to burn for more than 5s after removal from the flame.	T.C.	The Samp Burning ti	ble is burning. ime:0.1s		
				1.0.	The Sample is burning. Burning time:0.1s			
10 Carbon dioxide content o			The carbon dioxide content of the	Sample 1		0.7224%		
	Carbon dioxide content of	_	inhalation air (dead space) shall not exceed an average of 1.0 %	Sample 2		0.7230%	Pass	
(7.12)	the inhalation air		(by volume). Remark: 3 half masks (S1, S2 and	Sample 3		0.7241%	Pass	
			S3) A.R. tested.	av	verage	0.72%		
	The head harness shall be designed so that the particle filtering half mask can be donned		designed so that the particle	A.R. All of 5 pieces particle A.R. filtering half mask mee the requirements		nalf mask meet	Pass	
11 (7.13) Head harness		_	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	All of 5 pieces particle T.C. filtering half mask meet the requirements		nalf mask meet		
12 (7.14)	Field of vision	_	The field of vision is acceptable if determined so in practical performance tests.	31,000	The two samples both have a wider visual field		Pass	

S.No. (CLNo.)	Test	item	Unit	Technical requirements	Test result	Single iter decision
			-	A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.	No exhalation valve(s)	
13 Exhalation (7.15) valve(s)		Visual inspection		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.	No exhalation valve(s)	N/A
		Flow conditioning	-	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.	No exhalation valve(s)	
		Strength of attachment of exhalation valve housing	-	When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10 N applied for 10 s.	No exhalation valve(s)	
14 (7.17)	Breathing	gging— g resistance & of filter materia	_	Optional for single shift use devices, mandatory for re-usable devices. Tested by Cl. 7.17.1/2/3.	☐ Tests results refer to Table C&D, or ☐ Tests not requested for single shift use face mask	N/A
15 (7.18)	Demountable parts		_	All demountable parts (if fitted) shall be readily connected and secured, where possible by hand.	No demountable parts	N/A

Table A- Leakage-Total Inward Leakage

S.No. (CLNo.)	Test item	Unit	Technical requirements ¹⁾			Tes	t result				Single item decision
				Exercises	E1 (%)	E2 (%)	E3 (%)	E4 (%)	E5 (%)	TIL (%)	
					4.5	5.6	5.3	5.5	4.9	5.2	
			At least 46 out of the 50		4.2	4.9	4.7	4.8	4.3	4.6	
16 (7.9.1)			individual exercise results shall be not	A.R.	5.1	5.0	5.4	5.9	5.5	5.4	Pass
	Leakage-	Total	greater than 11%; And in addition, at least 8 out of the 10		4.9	5.7	6.1	5.8	5.3	5.6	
	Total inward leakage				4.6	5.3	5.5	5.2	4.8	5.1	
			individual wearer arithmetic means for the		4.7	5.4	5.6	5.5	5.1	5.3	
			total inward leakage shall be not greater than		4.5	5.4	5.6	5.3	4.9	5.1	
			8%.		4.0	4.5	4.6	4.8	4.1	4.4	
					4.5	5.3	5.1	5.0	4.6	4.9	
					5.0	6.0	5.9	6.1	5.8	5.8	

Note 1:

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

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.

Table A-1- Test subjects-Facial dimension

Test Subject No.	Length of face (mm)	Width of face (mm)	Depth of face (mm)	Width of mouth (mm)
1	120	130	109	59
2	122	140	115	65
3	119	160	139	55
4	112	122	119	63
5	110	130	118	60
6	115	119	110	59
7	112	123	113	55
8	103	130	100	50
9	118	139	130	63
10	120	135	125	50

Table B- Breathing Resistance

			Unit	Technical requirements ⁽⁾	Test result						
S.No. (CLNo.)	Test	item			Exercises	Facing directly ahead	Facing vertically upwards	Facing vertically downwards	Lying on the left side	Lying on the right side	Single iten decision
						0.5	0.5	0.6	0.6	0.5	
					A.R.	0.5	0.6	0.5	0.5	0.6	
		400				0.6	0.5	0.5	0.5	0.5	
						0.5	0.6	0.5	0.6	0.5	
		Inhalation 30 L/min		≤ <u>0.7</u>	S.W.	0,6	0.5	0.5	0.5	0.5	Pass
		30 13 11111				0.5	0.5	0.6	0.5	0.6	
			mbar			0.6	0.5	0.5	0.5	0.5	
					T.C.	0.5	0.5	0.6	0.5	0.6	Pass
	Breathing resistance					0.5	0.6	0.5	0.6	0.5	
				≤ <u>2.4</u>	S.W.	1.6	1.7	1.6	1.7	1.6	
						1.6	1.6	1.6	1.6	1.6	
						1.7	1.6	1.7	1.6	1.7	
						1.6	1.7	1.6	1.6	1.6	
7.16)						1.7	1.6	1.6	1.7	1.6	
,						1.6	1.6	1.7	1.6	1.7	
						1.7	1.6	1.6	1.7	1.6	
						1.6	1.6	1.7	1.6	1.6	
						1.6	1.7	1.6	1.6	1.7	
					A.R.	2.3	2.3	2.3	2.2	2.3	
						2.3	2.2	2.3	2.3	2.2	
						2.2	2.3	2.2	2.3	2.2	
		P. L. C.				2.3	2.2	2.3	2.2	2.3	
		Exhalation 160 L/min		≤ <u>3.0</u>	S.W.	2.2	2.3	2.2	2.3	2.3	
		200 2211111				2.3	2.2	2.3	2.2	2.2	
						2.2	2.3	2.2	2.3	2.2	
					T.C.	2.3	2.2	2.3	2.3	2.3	
						2.3	2.3	2.3	2.2	2.3	

Note 1: Limitation may need be changed according to classification, refer to Table 2 — Breathing resistance of EN 149:2001 +A1:2009 for the Technical requirements. Table C- Clogging Test-Breathing resistance

S.No. (CLNo.)				Technical	Test result						
	Test item ^(1/2)		Unit requirements ^{1) 2)} (mbar)	Exercises	Facing directly ahead	Facing vertically upwards	Facing vertically downwards	Lying on the left side	Lying on the right side	Single item decision	
18 (7.17)		esting stance Exhalation	mbar	-	A.R.						N/A N/A
	Clogging				T.C.						
	test-										
	Breathing		mbar —		A.R.						
	resistance			-	T.C.						
					1.0.						

Note 1: Valved particle filtering half masks

After clogging the inhalation resistances shall not exceed FFP1: 4 mbar FFP2: 5 mbar FFP3: 7 mbar at 95 l/min continuous flow;

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

Note 2: 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 95 l/min continuous flow.

Table D- Clogging Test-Penetration of filter material

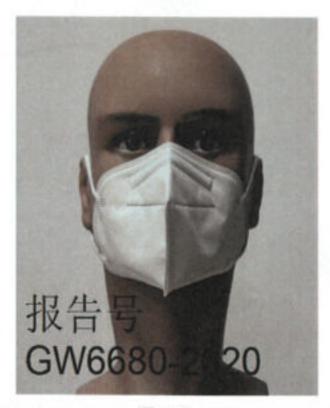
S.No. (Cl.No.)	Test ite	est item		item Unit		Technical requirements		Test result	Single iten decision	
19 (7.17)	Clogging test-	Paraffin oil	-		A.R.					
	Penetration of filter			-	T.C.		N/A			
	material				T.C.					
Notes	Maximum penetration of	test aerosol test 95 l/	min max. F	FP1: 20%, FFP2: 6%	6, FFP3: 19	6				

Abbreviations:								
A.R. As received	M.S. Mechanical strength	S.W. Simulated wearing treatment						
T.C. Temperature conditioned	F.C. Flow conditioned	C.D. Cleaning and Disinfecting						

Annex A- Estimates of the uncertainty of measurement

Test item	Uncertainty
Total inward leakage	2.98%
Penetration of filter material	1.00%
Flammability	1.00%
Carbon dioxide content of the inhalation air	0.93%
Breathing resistance	1.90%

Annex B- Sample Photo



The end















Report No.:[2021] WSZ FHL NO.D0037

Product Name _	Filtering half mask					
Applicant _	BINIC INDUSTRIAL CORPORATION LIMITED					
Manufacturer _						
Test Type	Entrusted inspection					

Jiangsu Guojian Testing a simelogy Co.,Ltd

3/F., Unit D, Xingye Building, Tuhu enemational Tech-Park, Wuxi, Jiangsu, China





	I CSL IX	chort						
Product name	Fib. 1 1 10 1	Model name	100					
Product name	Filtering half mask	Brand	N					
Laboratory/Add	Jiangsu Guojian Testing Techno 3/F., Unit D, Xingye Building,		ark, Wuxi, Jiangsu, China					
Applicant/Add/Tel	BINIC INDUSTRIAL CORPORATION LIMITED/NO.275 Shengfan Rd.,Kunshan City,Jiangsu.P.R. China/13816584063							
Manufacturer/Add/Tel	-/-/-	160	: <i>3</i> /\\					
Sample classification	FFP2	Sample number	GWD0037-2021					
Sample quantity	10 pcs	Date of receipt of sample	19/01/2021					
Test type	Entrusted inspection	Article/Batch/Style number	- 1					
Date(s) of performance of tests	19/01/2021~25/01/2021 Testing location		Same as the Laboratory					
Sample state	Meeting the requirements of testings	Sample description	Refer to page 3					
Test standard(s)	EN 149:2001+A1:2009 Respira against particles -Requirements		iltering half masks to prote					
Test item(s)	Total inward leakage							
Test result	The details of test results see on	※面崖检测技	25/01/2021					
Note	The test results presented in this	检验专用 s report relate only to the s						

Su Hegun 苏颅脊

Wan Heng

Yang Yir

Yang Ying 木多茎

Approver(name, signature)

Reviewer(name, signature)

Chief Tester(name, signature)







Test item particulars:	
Type of useuse	re-useable particle filtering half mask
	single shift only particle filtering half mask
Classes of devices	☐ FFP1 ⋈ FFP2 ☐ FFP3
Exhalation valve(s)	☐ Yes ⊠ No
Inhalation valve(s):	☐ Yes ☒ No
Designed to protect against both solid &liquid aerosols.:	⊠ Yes □ No
Possible test case verdicts:	
- Test case does not required to the test object:	NRq(Not required)
- Test case does not apply to the test object:	N/A (Not Applicable)
- Test object does meet the requirement:	P (Pass)
- Test object does not meet the requirement	F (Fail)
General remarks:	
The test results presented in this report relate only to the su	bmitted sample as received.
	at the written approval of the issuing Laboratory can provide
assurance that parts of a report are not taken out of context.	
Determination of the test results includes consideration methods.	of measurement uncertainty from the test equipment and
Throughout this report a _ comma / point is used a	as the decimal separator.

White

Sample description:

Environmental condition of the testing in this report:

2) T.C. Temperature conditioned:

a) for 24 h to a dry atmosphere of 70 °C;

1) Unless otherwise specified, the ambient temperature for testing shall be 25 °C;

and return to room temperature 25 °C for 4 h between exposures and prior to subsequent testing.

b) for 24 h to a temperature of -30 °C;



Table A- Leakage-Total Inward Leakage

S.No. (Cl.No.)	Test item	Unit	Technical requirement	Test result							Single item decision
1 (7.9.1)			At least 46 out of the 50 individual exercise results shall be not greater than 11%; And in addition, at least 8 out of the 10 individual wearer arithmetic means	Exercises	E1 (%)	E2 (%)	E3 (%)	E4 (%)	E5 (%)	TIL (%)	Pass
				A.R.	1.2	1.8	2.2	2.0	1.4	1.7	
	Leakage—Total inward leakage				0.4	0.7	1.6	0.9	0.6	0.8	
		- i			1.3	2.3	2.6	3,9	1.7	2.4	
					1.5	2.0	2.8	4.0	1.6	2.4	
					1.1	1.4	2.4	3.4	1.5	2.0	
					2.3	2.8	3.4	4.2	2.8	3.1	
			for the total inward		1.7	2.3	3.0	3.7	2.0	2.5	
			leakage shall be not greater than	T.C.	1.4	1.8	2.7	3.4	1.5	2.2	
			8%.		1.9	2.4	3.1	3.8	2.3	2.7	
					2.5	3.0	4.2	5.1	2.8	3.5	

Note 1:

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

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.

Table A-1- Test subjects-Facial dimension

Subject	Face Length(mm)	Face Width(mm)	Face Depth(mm)	Mouth Width(mm)
1	120	130	109	59
2	122	140	115	65
3	119	160	139	55
4	112	122	119	63
5	110	130	118	60
6	115	119	110	59
7	112	123	113	55
8	103	130	100	50
9	118	139	130	63
10	115	129	120	50



Abbreviations:				
A.R. As received	M.S. Mechanical strength	S.W. Simulated wearing treatment		
T.C. Temperature conditioned	F.C. Flow conditioned	C.D. Cleaning and Disinfecting		

Annex A- Estimates of the uncertainty of measurement

Test item	Uncertainty
Total inward leakage	2.98%

Annex B- Sample Photo















The end











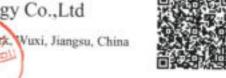


Report No.:[2021] WSZ FHL NO.D0074

Product Name _	Filtering half mask
Applicant _	BINIC INDUSTRIAL CORPORATION LIMITED
Manufacturer _	JIFA GROUP CO.,LTD.
Test Type	Entrusted inspection

Jiangsu Guojian Testing Laimelogy Co.,Ltd

3/F., Unit D, Xingye Building, Table Premational Tech Park, Wuxi, Jiangsu, China



Page I of 7



	1 CSt I	chort	
Product name	Filtering half mask	Model name	- 1111
rioduct name	Filtering half mask	Brand	202
Laboratory/Add	Jiangsu Guojian Testing Technol 3/F., Unit D, Xingye Building, T		, Wuxi, Jiangsu, China
Applicant/Add/Tel	BINIC INDUSTRIAL CORPOR Jiangsu.P.R. China/13816584063		Shengfan Rd., Kunshan City,
Manufacturer/Add/Tel	JIFA GROUP CO.,LTD./Jiangna Province/—	n Industrial Park, Nanma To	own, Dongyang City, Zhejiang
Sample classification	FFP2	Sample number	GWD0074-2021
Sample quantity	40 pcs	Date of receipt of sample	18/02/2021
Test type	Entrusted inspection	Article/Batch/Style number	20210101A
Date(s) of performance of tests	18/02/2021~24/02/2021	Testing location	Same as the Laboratory
Sample state	Meeting the requirements of testings	Sample description	Refer to page 3
Test standard(s)	EN 149:2001+A1:2009 Respirate against particles -Requirements,to		ring half masks to protect
Test item(s)	Head harness, penetration of filte	r material, breathing resistar	nce, total inward leakage
Test result	The details of test results see on F	美国随意视技术者	2/2421
Note	The test results presented in this r	eport relate only to the subm	nitted sample as received.

Su Hequn

Wan Heng

Yang Ying

Approver(name, signature)

Reviewer(name, signature)

Chief Tester(name, signature)







Sample description:	White
Test item particulars:	TYCO 1 1 - ANN
Type of useuse	: re-useable particle filtering half mask
	single shift only particle filtering half mask
Classes of devices.	: FFP1 🖂 FFP2 🖂 FFP3
Exhalation valve(s)	: \(\text{Yes} \) \(\text{No} \)
Inhalation valve(s)	: Yes 🖾 No
Designed to protect against both solid &liquid aerosol	s.: 🛛 Yes 🗌 No
Possible test case verdicts:	
- Test case does not required to the test object	: NRq(Not required)
- Test case does not apply to the test object	: N/A (Not Applicable)
- Test object does meet the requirement	: P (Pass)
- Test object does not meet the requirement	: F (Fail)
General remarks:	-7 2 (939)
The test results presented in this report relate only to t	he submitted sample as received.
	rithout the written approval of the issuing Laboratory can provide
assurance that parts of a report are not taken out of co	
Determination of the test results includes consider methods.	ation of measurement uncertainty from the test equipment and
Throughout this report a 🖂 comma / 🖂 point is u	used as the decimal separator.
Environmental condition of the testing in this repo	rt:
1) Unless otherwise specified, the ambient temperature	for testing shall be 25 °C;
2) T.C. Temperature conditioned:	
a) for 24 h to a dry atmosphere of 70 °C; b) for	or 24 h to a temperature of -30 °C;
and return to room temperature 25 °C for 4 h between e	exposures and prior to subsequent testing.



[2021] WSZ FHL NO.D0074

S.No. (CLNo.)	Test	item	Unit	Technical requirement		Test re	sult		Single iten decision
					A.R.1)	0.1%	0.2%	0.1%	
/ /		Sodium chloride		≤ 6%	S.W.1)	0.2%	0.2%	0.1%	Pass
				M.S+T.C. ²⁾	0.3%	0.3%	0.2%		
					A.R. ¹⁾	0.2%	0.4%	0.3%	
1	Leakage Penetration of	Paraffin oil		≤ 6%	S.W. ¹⁾	0.5%	0.4%	0.4%	Pass
(7.9.2)	filter material		1 100/1	M.S+T.C. ²⁾	3.8%	3.9%	3.6%		
		Note: The penetrat	ion of t	he filter of the particle filtering h	alf mask shall i	meet the	requiren	nents be	low:
		The penetrat Maximum pe	enetratio	n of sodium chloride aerosol test 9	5 l/min max. FI	FP1: 20%	, FFP2:	6%, FFP.	3: 1%
2		The penetrat Maximum pe	enetratio		5 l/min max. FI	FP1: 20% 20%, FFI All particl ma	, FFP2:	6%, FFP: FP3: 1% ces ng half the	3: 1%



Table A- Leakage-Total Inward Leakage

S.No. (Cl.No.)	Test item	Unit	Technical requirement			Tes	t result				Single item decision							
the 50 in exercise shall be n		Exercises	E1 (%)	E2 (%)	E3 (%)	E4 (%)	E5 (%)	TIL (%)										
	At least 46 out of the 50 individual		2.4	2.6	2.4	3.2	2.5	2.6										
	exercise results	1	1.6	2.4	2.9	2.4	2.3	2.3										
	shall be not greater	A.R.	0.6	0.8	0.9	2.1	0.9	1.1										
3	Leakage—Total	addition, at least 8	P. C.	addition at least 8	than 11%; And in addition,at least 8	11 19:20: 10 at 1 30:00 at	1 P. 195. 15 T. 10 C. 1	10.00	10.000			2.1	2.8	3.6	2.9	2.4	2.8	
(7.9.1)	inward leakage	-	out of the 10		1.9	2.5	3.1	2.6	2.1	2.4	Pass							
individ	individual wearer arithmetic means	5	2.3	2.8	3.7	3.0	2.4	2.8										
			for the total inward		2.5	2.8	3.1	3.8	2.7	3.0								
			leakage shall be not greater than	T.C.	1.1	1.9	2.4	2.1	1.3	1.8								
	1	8%.		1.4	1.7	2.3	2.8	1.6	2.0									
	100			2.9	3.6	4.1	4.8	3.1	3.7									

Note 1:

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

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.

Table A-1- Test subjects—Facial dimension

Subject	Face Length(mm)	Face Width(mm)	Face Depth(mm)	Mouth Width(mm)
1	120	130	109	59
2	122	140	115	65
3	119	160	139	55
4	112	122	119	63
5	110	130	118	60
6	115	119	110	59
7	112	123	113	55
8	103	130	100	50
9	118	139	130	63
10	115	129	120	50



Table B- Breathing Resistance

S.No.					1.0		Test	result		i ii										
(Cl. Test No.)	item	Unit	Technical requirement	Exercises	Facing directly ahead	Facing vertically upwards	Facing vertically downwards	Lying on the left side	Lying on the right side	Single item decision										
	11/12					0.5	0.4	0.5	0.5	0.5										
	1				A.R.	0.5	0.5	0.5	0.4	0.5										
	37					0.5	0.4	0.5	0.5	0.5										
						0.5	0.4	0.5	0.5	0.5										
		Inhalation 30 L/min		≤ 0.7	S.W.	0.5	0.4	0.5	0.5	0.5	Pass									
		302	11	1 6	100	0.5	0.5	0.5	0.5	0.5										
					23.50	0.5	0.4	0.5	0.5	0.4										
			1		T.C.	0.5	0.4	0.5	0.4	0,5										
						0.5	0.5	0.5	0.5	0.5										
			2-3			1.3	1.2	1.3	1.3	1.2										
			63		A.R. ≤ 2.4 S.W.	1.3	1.2	1.3	1.3	1.2	Pass									
			alation mbar			1.3	1.2	1.3	1.2	1.3										
4	Breathing					1.3	1.3	1.3	1.3	1.2										
7.16)	resistance	95 L/min				1.3	1.2	1.3	1.3	1.2										
																1.3	1.2	1.3	1.3	1.3
	1137													T.C.	1.3	1.3	1.3	1.3	1.2	
															1.2	1.2	1.3	1.2	1.3	
											1.3	1.2	1.3	1.3	1.3					
51	1 //					2.5	2.5	2.6	2.5	2.5										
	1 7 1	///			A.R.	2.5	2.5	2.5	2.5	2.5										
		6600				2.5	2.4	2.5	2.5	2.5										
		DA L	1	- 31	133	2.5	2.5	2.5	2.5	2.5										
		Exhalation 160 L/min	1	≤ 3.0	S.W.	2.5	2.4	2.5	2.5	2.5	Pass									
			1	11/2		2.5	2.5	2.6	2.5	2.6										
				300		2.5	2.5	2.5	2.5	2.5										
					T.C.	2.5	2.5	2.6	2.5	2.5										
		100	92			2.5	2.4	2.5	2.5	2.5										

Note 1: Limitation may need be changed according to classification, refer to Table 2 — Breathing resistance of EN 149:2001 +A1:2009 for the Technical requirements.



Abbreviations:				
A.R. As received	M.S. Mechanical strength	S.W. Simulated wearing treatment		
T.C. Temperature conditioned	F.C. Flow conditioned	C.D. Cleaning and Disinfecting		

Annex A- Estimates of the uncertainty of measurement

Test item	Uncertainty
Total inward leakage	2.98%
Penetration of filter material	1.00%
Breathing resistance	1.90%

Annex B- Sample Photo

















The end











Report No.:[2021] WSZ FHL NO.D0075

Product Name _	Filtering half mask
Applicant _	BINIC INDUSTRIAL CORPORATION LIMITED
Manufacturer _	JIFA GROUP CO.,LTD.
Test Type	Entrusted inspection

Jiangsu Guojian Testing, argintology Co., Ltd

3/F., Unit D, Xingye Building, Tuhu enternational Tech-Park, Wuxi, Jiangsu, China



Page 1 of 7



	TOU IN	Port			
B 1	P. 1. 1. 1. 1.	Model name			
Product name	Filtering half mask	Brand			
Laboratory/Add	Jiangsu Guojian Testing Technolo 3/F., Unit D, Xingye Building, Ta		, Wuxi, Jiangsu, China		
Applicant/Add/Tel	BINIC INDUSTRIAL CORPOR Jiangsu.P.R. China/13816584063		Shengfan Rd., Kunshan Cit		
Manufacturer/Add/Tel	JIFA GROUP CO.,LTD./Jiangnan Industrial Park, Nanma Town, Dongyang City Zhejiang Province/—				
Sample classification	FFP2	Sample number	GWD0075-2021		
Sample quantity	40 pcs	Date of receipt of sample	18/02/2021		
Test type	Entrusted inspection	Article/Batch/Style number	20210102A		
Date(s) of performance of tests	18/02/2021~24/02/2021	Testing location	Same as the Laboratory		
Sample state	Meeting the requirements of testings	Sample description	Refer to page 3		
Test standard(s)	EN 149:2001+A1:2009 Respirate against particles -Requirements,to	나타 이번 나이지 않는데 하나 나를 보는데 모르는데 모르는데 없다.	ring half masks to protect		
Test item(s)	Head harness, penetration of filte	r material, breathing resistar	nce, total inward leakage		
Test result	The details of test results see on I	《国麓程则及木育	12/2021		
Note	The test results presented in this r	report relate only to the subr	nitted sample as received.		

Su Hequn 苏茂馨

Wan Heng

Yang Ying

杨莹

Approver(name, signature)

Reviewer(name, signature)

Chief Tester(name, signature)







Sample description:	White
Test item particulars:	
Type of useuse	re-useable particle filtering half mask
Assert	single shift only particle filtering half mask
Classes of devices	☐ FFP1 ⊠ FFP2 ☐ FFP3
Exhalation valve(s):	☐ Yes ⊠ No
Inhalation valve(s)	☐ Yes ☒ No
Designed to protect against both solid &liquid aerosols.:	⊠ Yes □ No
Possible test case verdicts:	
- Test case does not required to the test object:	NRq(Not required)
- Test case does not apply to the test object:	N/A (Not Applicable)
- Test object does meet the requirement:	P (Pass)
- Test object does not meet the requirement:	F (Fail)
General remarks:	7 ((%))
The test results presented in this report relate only to the su	bmitted sample as received.
	at the written approval of the issuing Laboratory can provide
assurance that parts of a report are not taken out of context	
Determination of the test results includes consideration methods.	of measurement uncertainty from the test equipment and
Throughout this report a 🗌 comma / 🗵 point is used	as the decimal separator,
Environmental condition of the testing in this report:	
1) Unless otherwise specified, the ambient temperature for t	esting shall be 25 °C;
2) T.C. Temperature conditioned:	
a) for 24 h to a dry atmosphere of 70 °C; b) for 24	h to a temperature of -30 °C;
and return to room temperature 25 °C for 4 h between expos	ures and prior to subsequent testing.



[2021] WSZ FHL NO.D0075

S.No. (CLNo.)	Test	item	Unit	Technical requirement		Test re	sult		Single iten decision
					A.R. ¹⁾	0.1%	0.1%	0.1%	
29		Sodium chloride		≤ 6%	S.W. ¹⁾	0.2%	0.1%	0.1%	Pass
1	The same of the sa				M.S+T.C. ²⁾	0.3%	0.2%	0.2%	
- 4					A.R. ¹⁾	0.2%	0.3%	0.2%	
1	Leakage— Penetration of	Paraffin oil		≤ 6%	S.W. ¹⁾	0.4%	0.3%	0.4%	Pass
(7.9.2)	filter material	1//			M.S+T.C. ²⁾	0.7%	0.8%	0.7%	
		Maximum p	enetratio	on of sodium chloride aerosol test 9				nents be	DESTRUCTION OF THE PERSON OF T
		Maximum po	enetratio					6%, FFP	3: 1%
2		Maximum po		on of paraffin oil aerosol test 95 l/m The head harness shall be designed so that the particle filtering half mask can be donned and removed easily. The		20%, FFI All partic ma		6%, FFP FFP3: 1% eces ng half the	3: 1%



Table A- Leakage-Total Inward Leakage

S.No. (Cl.No.)	Test item	Unit	Technical requirement	592		Tes	t result				Single item decision		
	-60		282	Exercises	E1 (%)	E2 (%)	E3 (%)	E4 (%)	E5 (%)	TIL (%)			
1			At least 46 out of the 50 individual		1.4	1.8	2.1	2.3	1.6	1.8			
			exercise results	1	1.9	2.4	2.6	4.8	2.1	2.8			
		1	shall be not greater	shall be not greater than 11%; And in addition, at least 8	A.R.	0.5	0.9	1.3	1.7	0.7	1.0		
3	Lookson Total	- add	Leakage—Total		addition,at least 8 out of the 10	addition,at least 8 out of the 10	21 N	0.7	1.1	1.7	2.6	0.9	1.4
7.9.1)	inward leakage			ard leakage — out of the 10 1.6 2.1 2.6			out of the 10 individual wearer	3.0	1.8	2.2	Pass		
			arithmetic means for the total inward		3	1.2	1.9	2.7	2.9	1.5	2.6		
					1.9	2.4	3.8	4.4	2.0	2.9			
		10	leakage shall be not greater than	T.C.	2.1	2.8	4.2	5.3	2.5	3.4			
		100	8%.		2.6	4.1	5.2	5.7	3.5	4.2			
		1809	/ /	/ /	1.5	3.0	4.7	6.2	1.9	3.5			

Note 1:

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

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.

Table A-1- Test subjects-Facial dimension

Subject	Face Length(mm)	Face Width(mm)	Face Depth(mm)	Mouth Width(mm)
1	120	130	109	59
2	122	140	115	65
3	119	160	139	55
4	112	122	119	63
5	110	130	118	60
6	115	119	110	59
7	112	123	113	55
8	103	130	100	50
9	118	139	130	63
10	115	129	120	50



S.No.				Processors	Test result						900 000 e .
(Cl. No.)	Test	item	Unit	Technical requirement	Exercises	Facing directly ahead	Facing vertically upwards	Facing vertically downwards	Lying on the left side	Lying on the right side	Single iter decision
	11/10					0.5	0.4	0.5	0.5	0.5	
	637				A.R.	0.5	0.5	0,5	0.5	0,5	
	3					0.5	0.4	0.5	0.5	0.5	
		CASISTO COMP				0.5	0.5	0.5	0.5	0.5	
		Inhalation 30 L/min		≤ 0.7	S.W.	0.5	0.4	0.5	0.5	0.5	Pass
			11	1		0.5	0.5	0.5	0.5	0.4	100
			Κ,		49.5°	0.5	0.4	0.5	0.5	0.5	
			-	27	T.C.	0.5	0.5	0.5	0.5	0.5	
						0.5	0.4	0,5	0.5	0.5	
			7.73			1.3	1.3	1.4	1.3	1.3	
				3	A.R.	1.3	1.3	1.4	1.4	1.3	
			9//		1//	1.3	1.3	1.4	1.3	1.4	
	n				7.76	1.4	1.3	1.4	1.4	1.3	
4 (7.16)	Breathing resistance	Inhalation 95 L/min	mbar	≤ 2.4	S.W.	1.4	1.3	1.4	1.3	1.4	Pass
,,,,,	resistance					1.4	1.3	1.4	1.4	1.4	
	1					1.4	1.3	1.4	1.4	1.4	
	1				T.C.	1.4	1,3	1.4	1.3	1.4	
		1				1.4	1.3	1.4	1.3	1.3	
						2.8	2.7	2.8	2.8	2.8	
		11/11			A.R.	2.8	2.8	2.8	2.7	2.8	
		1600				2.8	2.7	2.8	2.8	2.7	
			1.			2.8	2.7	2.8	2.8	2.7	
		Exhalation 160 L/min		≤ 3.0	S.W.	2.8	2.8	2.8	2.7	2.8	Pass
			13			2.8	2.7	2.8	2.7	2.8	
			9.39			2.8	2.8	2.8	2.7	2.8	
		100			T.C.	2.8	2.7	2.8	2.8	2.7	
		188	9			2.8	2.8	2.8	2.7	2.8	

Note 1: Limitation may need be changed according to classification, refer to Table 2 — Breathing resistance of EN 149:2001 +A1:2009 for the Technical requirements.



bbreviations:		
A.R. As received	M.S. Mechanical strength	S.W. Simulated wearing treatment
T.C. Temperature conditioned	F.C. Flow conditioned	C.D. Cleaning and Disinfecting

Annex A- Estimates of the uncertainty of measurement

Test item	Uncertainty		
Total inward leakage	2.98%		
Penetration of filter material	1.00%		
Breathing resistance	1.90%		

Annex B- Sample Photo

















The end