

EU DECLARATION OF CONFORMITY



We,
Manufacturer: NINGBO PERFECT PERSONAL PROTECTION EQUIPMENT CO., LTD
Address: 3RD Floor , Building C , Jinyan St. China Fur Market, Langxia Street, Yuyao, Zhejiang, China

Declare on our own responsibility, that the:

Product name: Filtering half Mask
Model name: PF-1830V
Grade: FFP3

are in compliance with following Regulation/directives :

R 2016/425 Personal Protective Equipment

and are in compliance with following harmonized standard:

EN 149:2001+A1:2009

Identical products were certified by Notified Body for PPE Module B+C2:

Notified Body No: 1463
Polski Rejestr Statków S.A.
al. gen. Józefa Hallera 126, 80-416 Gdańsk

YUYAO, CHINA
28 JUNE 2020

Place, date



Legally binding signature, Function
The General Manager



中国认可
国际互认
检测
TESTING
CNAS L11197

TEST REPORT

Report Number.....: TSGK-2020-1043-T
Applicant's name.....: NINGBO PERFECT PERSONAL PROTECTION EQUIPMENT CO.,LTD
Address.....: 3rd Floor C BLDG. Jinyan St. China Fur Market, Langxia Street, Yuyao, Zhejiang, China
Manufacturer name.....: Same as applicant
Address.....: Same as applicant
Trade mark.....: /
Product name.....: Filtering half mask
Model.....: PF-1830V
Sample grade.....: FFP3
Sample number.....: 110
Sample description.....: /
Receiving date of sample.....: June 8, 2020
Date(s) of tests.....: June 8, 2020 – June 28, 2020
Test conclusion.....: The sample upon testing, the test clauses meet the requirements of the EN 149:2001 + A1:2009 standard. The details of test results refer to the following.

Approver:

2020.06.30

Reviewer:

2020.06.30

Tester:

2020.06.30

Serial	Test item	Technical requirements	Result - Remark							Verdict
1	Visual inspection	The visual inspection shall include the marking and information supplied by the manufacturer.	Meet requirement							P
2	Packaging	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.	Meet requirement							P
3	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.	Meet requirement							P
4	Cleaning and disinfecting	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.	Not Applicable							N/A
5	Practical performance	Head harness should be comfort	Meet requirement							P
		Fastenings are safe and reliable	Meet requirement							
		Field of vision is acceptable	Meet requirement							
6	Finish of parts	Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.	Meet requirement							P
7	Total inward leakage	At least 46 out of the 50 individual exercise results shall be not greater than: <input type="checkbox"/> 25 % for FFP1; <input type="checkbox"/> 11 % for FFP2; <input checked="" type="checkbox"/> 5 % for FFP3; And in addition, a least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than <input type="checkbox"/> 22 % for FFP1; <input type="checkbox"/> 8 % for FFP2; <input checked="" type="checkbox"/> 2 % for FFP3.	Exercises	E1 (%)	E2 (%)	E3 (%)	E4 (%)	E5 (%)	TIL (%)	P
			A.R.	0.9	0.8	1.2	1.8	1.3	1.2	
				1.1	1.4	1.3	1.6	1.2	1.3	
				2.9	2.0	2.0	4.0	2.2	2.6	
				0.8	1.1	1.0	2.2	1.4	1.3	
			T.C.	1.6	1.3	1.5	2.4	1.6	1.7	
				0.7	0.9	1.0	1.6	0.9	1.0	
				0.8	0.9	1.2	1.7	1.6	1.2	
				1.3	0.8	1.2	1.6	1.4	1.3	
				1.1	1.2	2.1	2.4	1.5	1.7	
0.8	0.9	1.4	1.3	1.3	1.1					
Subject	Face Length (mm)	Face Width (mm)	Face Depth (mm)	Mouth Width (mm)	--					

Serial	Test item	Technical requirements	Result - Remark				Verdict
		Luo	128	149	116	54	--
		Chen	124	135	110	49	--
		Liang	119	147	115	58	--
		Chen	115	139	119	55	--
		Yuan	107	125	110	52	--
		Lai	118	135	117	55	--
		Yang	115	127	124	53	--
		Jiang	119	126	116	59	--
		Feng	120	145	119	54	--
		Zeng	109	123	115	52	--
8	Penetration of filter material	Sodium chloride: <input type="checkbox"/> FFP1: ≤ 20 %; <input type="checkbox"/> FFP2: ≤ 6 %; <input checked="" type="checkbox"/> FFP3: ≤ 1 %. Paraffin oil: <input type="checkbox"/> FFP1: ≤ 20 %; <input type="checkbox"/> FFP2: ≤ 6 %; <input checked="" type="checkbox"/> FFP3: ≤ 1 %.	A.R.	0.1%	0.3%	0.4%	P
S.W.	0.4%	0.2%	0.6%				
M.S.+T.C.	0.5%	0.2%	0.4%				
A.R.	0.1%	0.7%	0.5%				
S.W.	0.8%	0.3%	0.4%				
M.S.+T.C.	0.1%	1.0%	0.7%				
9	Compatibility with skin	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.	A.R.	5 pieces all don't cause irritation.			P
T.C.	5 pieces all don't cause irritation.						
10	Flammability	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	A.R.	Burn for 0s			P
			Burn for 0s				
T.C.	Burn for 0s						
Burn for 0s							
11	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).	0.31 %		Mean value: 0.33 %	P	
			0.35 %				
			0.34 %				
12	Head harness	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.	A.R.	Meet requirement			P
			T.C.	Meet requirement			
13	Field of vision	The field of vision is	Meet requirement				P



Serial	Test item	Technical requirements	Result - Remark					Verdict	
		acceptable if determined so in practical performance tests.							
14	Exhalation valve(s)	Exhalation valve(s) shall function correctly in all orientations	Meet requirement					P	
		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.	Meet requirement						
		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.	Meet requirement						
		When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10 N applied for 10 s	A.R.	Meet requirement					
			M.S.	Meet requirement					
			T.C.	Meet requirement					
15	Breathing resistance	Inhalation: 30 L/min <input type="checkbox"/> FFP1: ≤ 0.6 mbar; <input type="checkbox"/> FFP2: ≤ 0.7 mbar; <input checked="" type="checkbox"/> FFP3: ≤ 1.0 mbar;	Pos.	A	B	C	D	E	P
			A.R.	0.2	0.2	0.2	0.2	0.2	
				0.2	0.3	0.3	0.2	0.3	
				0.3	0.3	0.2	0.3	0.2	
			S.W.	0.3	0.3	0.3	0.2	0.2	
				0.3	0.3	0.2	0.2	0.3	
				0.3	0.2	0.3	0.2	0.3	
			T.C.	0.4	0.4	0.3	0.3	0.3	
		0.3		0.3	0.2	0.2	0.3		
		0.3		0.3	0.3	0.3	0.2		
		F.C.	0.3	0.3	0.3	0.3	0.3		
			0.4	0.4	0.3	0.3	0.3		
			0.3	0.3	0.2	0.3	0.2		
		Inhalation: 95 L/min <input type="checkbox"/> FFP1: ≤ 2.1 mbar; <input type="checkbox"/> FFP2: ≤ 2.4 mbar; <input checked="" type="checkbox"/> FFP3: ≤ 3.0 mbar;	A.R.	1.0	1.1	1.1	1.0	1.0	
				1.2	1.3	1.2	1.2	1.2	
				1.1	1.1	1.0	1.1	1.0	
S.W.	1.3		1.4	1.3	1.3	1.4			
	1.4		1.4	1.3	1.3	1.3			
	1.5		1.6	1.4	1.5	1.5			
T.C.	1.6		1.6	1.5	1.4	1.4			
	1.3		1.4	1.3	1.3	1.4			
	1.6		1.7	1.5	1.5	1.6			

Serial	Test item	Technical requirements	Result - Remark					Verdict			
			F.C.	1.5	1.6	1.5	1.4	1.4			
					1.5	1.5	1.4	1.4		1.4	
					1.4	1.5	1.5	1.4		1.4	
		Exhalation: 160 L/min <input type="checkbox"/> FFP1: ≤ 3.0 mbar; <input type="checkbox"/> FFP2: ≤ 3.0 mbar; <input checked="" type="checkbox"/> FFP3: ≤ 3.0 mbar	A.R.	1.5	1.6	1.4	1.5	1.4			
						1.5	1.5	1.4		1.4	1.4
						1.3	1.4	1.3		1.3	1.4
				S.W.	1.5	1.6	1.6	1.5		1.4	
						1.6	1.5	1.6		1.4	1.5
						1.5	1.6	1.6		1.4	1.5
				T.C.	1.6	1.7	1.5	1.6		1.6	
						1.5	1.6	1.6		1.4	1.4
						1.6	1.7	1.5		1.7	1.6
				F.C.	1.5	1.6	1.4	1.5		1.5	
						1.6	1.6	1.4		1.4	1.5
						1.5	1.5	1.3		1.4	1.4
				A: facing directly ahead; B: facing vertically upwards; C: facing vertically downwards; D: lying on the left side; E: lying on the right side							
16	Demountable parts		All demountable parts (if fitted) shall be readily connected and secured, where possible by hand	Not Applicable					N/A		

Note:

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

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Throughout this report a point is used as the decimal separator.

The test items practical performance, total inward leakage; penetration of filter material, compatibility with skin and field of vision are not within CNAS recognized scope.

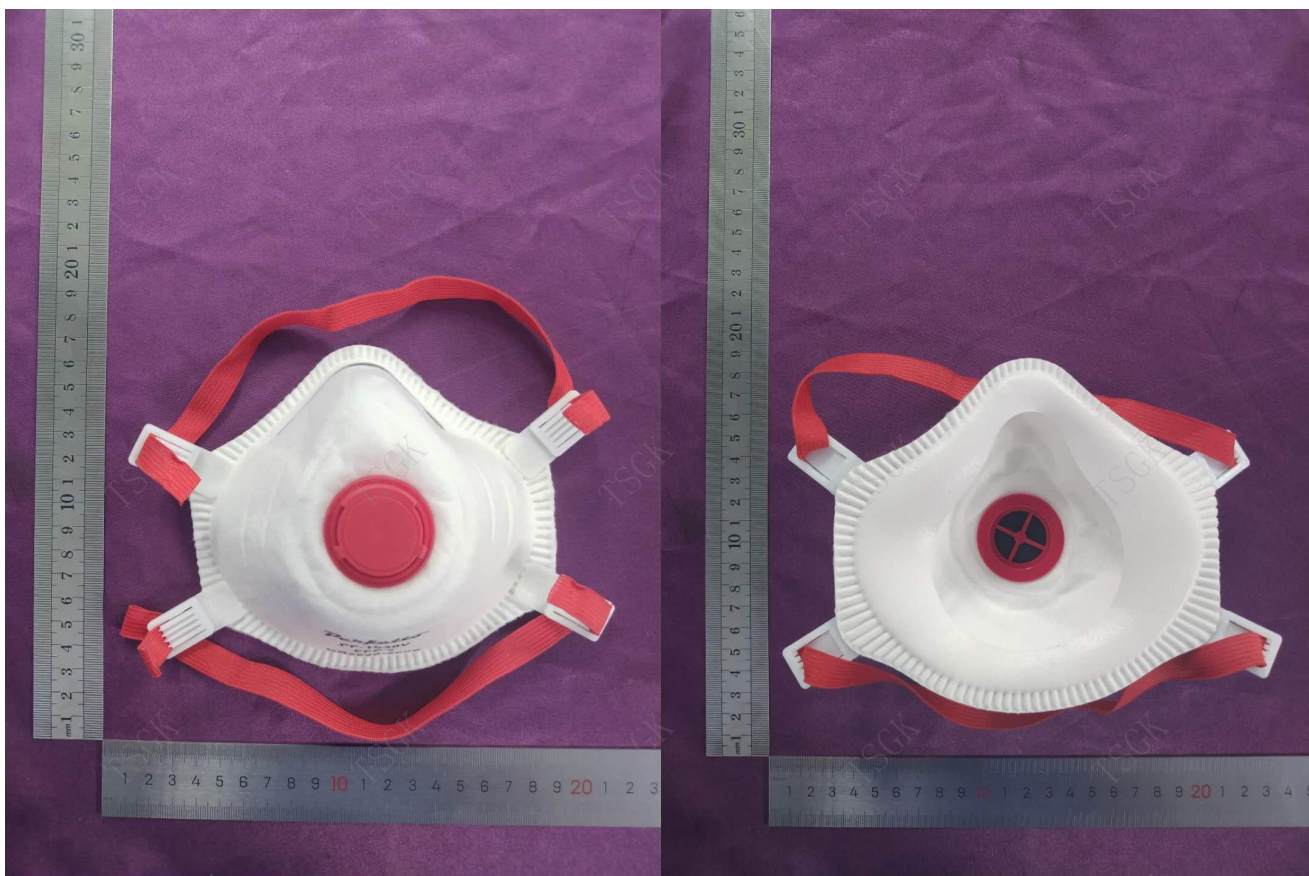
Possible test case verdicts:

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)

ANNEX: Photo-documentation



----- End of test report -----