



中国认可 国际互认 TESTING **CNAS L1499** 



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#### TEST REPORT

#### Particulate respirator-half facepiece

EN 149: 2001 +A1: 2009 Respiratory protective devices — Filtering half masks to protect against particles — Requirements, testing, marking

Product:

Particle filtering half mask

Report No:

2022 (D) - 0197

Client:

Yantai Lisong Safety Technology Co., Ltd.

Model (s):

1206

Date(s) of test

2022.10.24-2022.10.31

#### **DESCRIPTION OF SAMPLES**

**General Information** 

Classification

Main Components

Manufacturer

FFP2 NR

Folding mask

Yantai Lisong Safety Technology Co., Ltd.

**Manufacturer Address** 

Room 201, Building 2, No. 16, Hongkong Road, Economic and Technological

Development, Yantai City, Shandong Province

Signed:

Issued: 2022.10.31

陈倬为 Chen Zhuowei Authorized Signatory, Lab Director Page 1 of 6

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北京市科学技术研究院

多动保护用品检验中心

## Conditions:

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

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7.9.2 Penetration of filter material

Pass1

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 1/min

FFP1

≤20%

≤20%

FFP2

≤6%

≤6%

FFP3

≤1%

≤1%

Note1: FFP2 respirator. Test results are shown in Annex A Table 7.9.2.

## 7.16 Breathing resistance

Pass<sup>2</sup>

Classification	Maximum permitted resistance (mbar)						
30	Inhalati	on	Exhalation				
	30 l/min	95 l/min	160 l/min				
FFP1	0.6	页里位211	3.0				
FFP2	0.7 ES DI	24 75	3.0				
FFP3	1:0	3.0	3.0				

Note2: FFP2 respirator. Test results are shown in Annex A Table 7.16.

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**End of Test Results** 

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# Annex A: Summarization of Test Data

Table -7.9.2 Penetration of filter material

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

Aerosol	Condition	Sample No.	Penetration (%)	Assessment		
		11	0.297			
Sodium chloride test	As received	12	0.363	,		
		13	0.282	]		
		14	0.435	]		
	Simulated wearing treatment	15	0.379	]		
	F 11 44	16	0.496	]		
	Mechanical strength+ Temperature	验7%	0.312	]		
		18	0.464			
	N. W.	19	0.423			
Paraffin oil test	As received	20	0.873	Pass		
		21	1.15			
	(A)	22	1.30			
		23	0.972			
	Simulated wearing treatment	24	1.06			
	Thora	25	1.17	/		
	E	26	1.29			
	Mechanical strength+ Temperature conditioned	27	1.47			
	TE NOT.	28	1.51			

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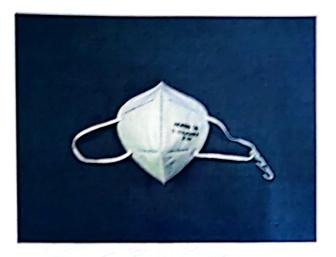
Table 7.16 Breathing resistance (mbar)
Test specification: EN 149: 2001+A1: 2009 Clause 8.9

-			36				37				38						
As received	Flow rate		A	В	C	D	E	A	В	C	D	E	Α	В	C	D	E
	Inhalation 30 l/min 95 l/min	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.5	0.5	0.6	0.5	0.6	06	
		95 1/min	1.6	1.7	1.7	1.7	1.7	1.6	1.6	1.7	1.8	1.7	1.8	1.6	1.6	1.7	1.8
	Exhalation	160 l/min	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.4	2.5
wearing treatment Inhalation					39					40					41		
	Flow rate		A	В	C	D	E	A	В	C	D	E	Α	В	C	D	E
	Inhalation	30 l/min	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.6	0.5	0.6
		95 l/min	1.8	1.7	1.7	1.7	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.8	1.8
	Exhalation	160 I/min	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.4	2.4	2.5	2.5	2.5	2.5	2.5
Temperature conditioned Inhalation  Exhalation			42				43				44						
	rate	A	В	C	D	E	A	В	C	D	E	Α	В	C	D	E	
	Inhalation —	30 l/min	0.6	0,6	0.6	06	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.6
		95 I/min	1.7	1.8	1.7	1.7	1.8	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.7
	Exhalation		2.5	2.4	2.5	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.4	2.5	2.5
Assessment	7.	10,3	1500				Pas		73	0	18	1					

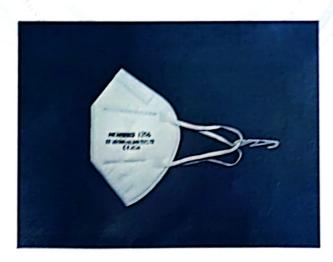
A: facing directly ahead; B: facing vertically upwards; C: facing vertically downwards; D: lying on the left side; E: lying on the right side

Test	Uncertainty
Penetration of filter material	1.1%
Breathing resistance	1.8%

End of Annex A







End of Annex B