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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:** 2020 (F) – 0325  
**Client:** Dongguan Xinyuan Nonwoven Co., LTD  
**Model (s):** N9  
**Date(s) of tests:** 2020.07.07-2020.07.16

## DESCRIPTION OF SAMPLES

General Information	Classification	Main Components
	FFP2 NR	White folding mask
<b>Manufacturer</b>	Dongguan Xinyuan Nonwoven Co., LTD	
<b>Manufacturer Address</b>	Dajin Industrial Park, Xixi Village, Liaobu Town, Dongguan City, Guangdong Province, China	

Signed:

Issued: 2020.7.16

陈倬为 Chen Zhuowei  
Authorized Signatory, Lab Director

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## Test Results

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### 7.9.1 Total inward leakage

**Pass<sup>1</sup>**

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

**Note1: FFP2 respirator. Test results are shown in Annex A Table 7.9.1-A&B.**

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## End of Test Results

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**Annex A: Summarization of Test Data****Table 7.9.1-A Inward leakage test data**

Test specification: EN 149-2001 Clause 8.5

Subject	Sample No.	Condition	Walk(%)	Head Side/side(%)	Head up/down(%)	Talk(%)	Walk(%)	Mean(%)
Yi	1	A.R.	6.49	6.20	6.85	7.13	6.61	6.7
Gong	2	A.R.	6.34	5.76	7.46	6.46	6.15	6.4
Yu	3	A.R.	5.26	5.41	5.68	5.31	5.15	5.4
Hu	4	A.R.	5.65	6.87	5.70	5.89	5.90	6.0
Xu	5	A.R.	5.79	6.14	6.57	5.73	5.79	6.0
Deng	6	T.C.	6.58	6.85	7.14	6.96	6.53	6.8
Zhang	7	T.C.	5.94	6.21	6.58	6.31	5.74	6.2
Zhi	8	T.C.	4.47	4.68	4.82	4.62	4.25	4.6
Fang	9	T.C.	4.43	4.74	4.70	4.73	4.24	4.6
Lv	10	T.C.	6.35	6.63	6.89	6.53	6.14	6.5
All <u>50</u> individual exercise results were not greater than <u>11</u> % All <u>10</u> individual wearer arithmetic means were not greater than <u>8</u> %						Pass		

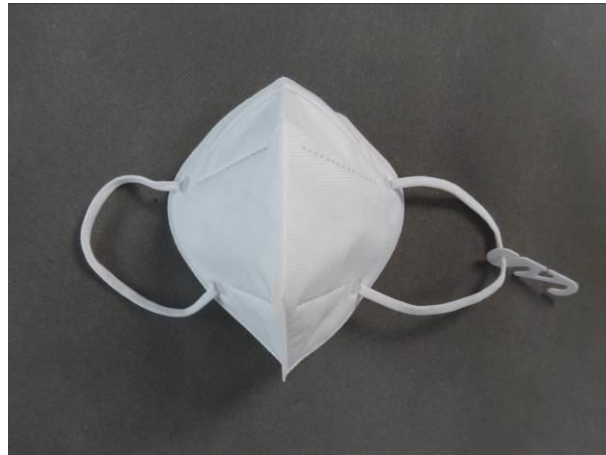
**Table 7.9.1-B Facial dimension**

Subject	Face length	Face Width	Face Depth	Mouth Width
Yi	120	130	109	59
Gong	122	140	115	65
Liu	119	160	139	55
Zhi	112	122	119	63
Fang	110	130	118	60
Deng	115	119	110	59
Zhang	112	123	113	55
Xu	103	130	100	50
Hu	118	139	130	63
Yu	115	129	120	50
Chen	116	150	132	56
Lv	110	121	110	53

**End of Annex A**

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**ANNEX B PHOTOS OF SAMPLES**



**End of Annex B**

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