

**Test Report No.:** 244279527a 001

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**Client:**
**Contact Information:**

**Sample Description As Declared :**

No. Of Sample	100pcs
Product Description	33MASK 9503 non-medical FFP2 Filtering Half Mask
Material	-
Colour	White
End Use	Personal protect
Lot No./ Batch Code	-
Manufacture	
Buyer	AVISSIMO GmbH
Country of Origin	Chongqing, China
Sales Destination(country)	Germany
Test Type	Partial test
Product Type	Single shift use only
Claimed Classification	FFP2

**Sample obtaining method:** Sending by customer

**Sample Receiving date:** 2020-11-17

**Delivery condition:** Apparent good, Samples tested as received

**Test Period:** 2020-11-17 to 2020-11-26

**Test Specification:**

 EN 149:2001 + A1:2009 Respiratory Protective Devices – Filtering Half Masks  
to Protect against particles- Requirements , testing marking

**Test Result**

Please refer to next page

**For and on behalf of**
**TÜV Rheinland (Shanghai) Co., Ltd.**

2020-11-26 Joyce Zhou/Assistant Technical Manager

Date

Name/Position

Test result is drawn according to the kind and extent of tests performed.

This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

**Summary of test results**

Clause	Item	<u>M001</u>
7.3	Visual inspection	N/R
7.4	Package	M
7.5	Material	M
7.6	Cleaning and disinfection	N/A
7.7	Practical performance	M
7.8	Finish of parts	M
7.9.1	Leakage	M
7.9.2	Penetration of filter material	M
7.10	Compatibility with skin	M
7.11	Flammability	M
7.12	Carbon dioxide content of the inhalation air	M
7.13	Head harness	M
7.14	Field of vision	M
7.15	Exhalation valve(s)	N/A
7.16	Breathing Resistance	M
7.17	Clogging	N/A
7.18	Demountable parts	M
9	Marking	N/R
10	Information to be supplied by the manufacturer	N/R

Note : M = Meet Performance Standard      F = Below Performance Standard  
       N/R = Not Request                            \* = No Submitted Information  
       N/A = Not Applicable                    M# = Refer to result page

**Material list**

Material No.	Material	Color/Pattern	Location
M001	Whole Product	White	33MASK 9503 non-medical FFP2 Filtering Half Mask

## 1. Visual inspection

Test method : EN 149:2001+A1:2009 Clause 8.2

Clause	Item	M001
7.3	The visual inspection shall also include the marking and the information supplied by the manufacturer.	N/R
7.4	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.	Pass
7.5	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.	Pass
	After undergoing the conditioning described in 8.3.1 none of the particle filtering half masks shall have suffered mechanical failure of the face piece or straps.	Pass
	When conditioned in accordance with 8.3.1 and 8.3.2 the particle filtering half mask shall not collapse.	Pass
	Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer.	Pass
7.8	Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs	Pass
7.18	All demountable parts (if fitted) shall be readily connected and secured, where possible by hand.	Pass

Remark:

N/A: Due to no relevant information/material

N/R: Due to not request

## 2. Practical performance

Test method : EN 149:2001+A1:2009 Clause 8.4 &amp; 8.5

Clause	Item	M001
7.7	Wearing	Pass
7.7	Walking test	Pass
7.7	Work simulation test	Pass
7.10	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	Pass
7.13	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 and be capable of maintaining total inward leakage requirements for the device	Pass
7.14	The field of vision is acceptable if determined so in practical performance tests	Pass

Remark:

N/A: Due to no relevant information/material

N/R: Due to not request

### 3. Leakage

Test method : EN 149:2001+A1:2009 Clause 8.5

Requirement : FFP2 :

 At least 46 out of the 50 individual exercise results for total inward leakage  $\leq 11\%$ 

 At least 8 out of the 10 individual wearer arithmetic means for the total inward leakage  $\leq 8\%$ 

M001									
Subject	Condition	Specimen No.	Leakage (%)					Walk	Mean
			Walk	Head Side/side	Head Up/down	Talk			
BM	As received	1	2.808	5.228	6.070	9.393	6.908	6.081	
ACH		2	4.864	5.113	5.906	6.178	5.243	5.461	
ML		3	5.136	4.961	5.217	7.268	6.148	5.746	
LLC		4	5.967	5.883	5.743	7.827	6.869	6.458	
DG		5	6.143	6.073	6.283	8.176	7.211	6.777	
SG	After conditioning	6	5.369	5.447	3.396	8.523	4.964	5.540	
YL		7	6.243	6.127	5.332	8.163	7.211	6.615	
KQ		8	6.018	5.244	5.873	7.621	7.003	6.352	
KXH		9	5.994	6.021	5.887	8.123	6.287	6.462	
YY		10	5.003	4.966	4.876	7.335	6.278	5.692	
Conclusion		Pass							

Facial Dimension Of Subject (mm)										
Subject	BM	ACH	ML	LLC	DG	SG	YL	KQ	KXH	YY
Face length	135	127	120	120	130	135	115	120	130	130
Face width	160	159	133	140	145	155	135	135	155	165
Face Depth	130	122	115	115	132	132	118	115	120	143
Mouth Width	52	55	52	50	50	55	48	50	52	50