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TEST REPORT

Selected test items from EN 149:2001+A1:2009 Respiratory protective devices—Filtering half masks to protect against particles—Requirements, testing, marking According to supervised product checks procedure at random intervals (C2)

The following samples were submitted and identified on behalf of the client as:

Product : Particle Filtering Half Mask
Report No. : KZ2022018
Client : Universal Certification and Surveillance Service Trade Ltd.Co.
Model(s) : YY0525
Number of samples : 30
Received date : 2020.08.17
Date(s) of tests : 2020.08.17-2020.08.17

DESCRIPTION OF SAMPLES

General information	Classification	Main components
	FFP2	White folding mask
Manufacturer	JIANGMEN YANYANG TRADING CO.,LTD.	
Manufacturer address	NO.1,4th Floor, Building 2, NO.18 Xinyi Road, Jianghai District, Jiangmen City, Guangdong Province, China	

Chief Tester: 冯云
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Authorized Signatory,
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Issued: 2020.08.17



Test Report No.KZ2022018

Conditions:

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

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Conclusion

Test Items

Clause 7.9.2	Penetration of filter material	Pass
Clause 7.16	Breathing resistance	Pass

Remarks: Pass = Meet EN 149:2001+A1:2009 FFP2 Requirement
Fail = Below EN 149:2001+A1:2009 FFP2 Requirement
N/A = Not Applicable

Disclaimer Measurement Uncertainty:

Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements.

By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

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Test Results

7.9.2 Penetration of filter material

Pass¹

The penetration of the filter of the particle filtering half mask shall meet the following requirements.

Sodium chloride test 95 L/min

Paraffin oil test 95 L/min

FFP1	≤20%	≤20%
FFP2	≤6%	≤6%
FFP3	≤1%	≤1%

Note 1: FFP2 respirator. Test results are shown in Annex A Table 7.9.2.

7.16 Breathing resistance

Pass²

Classification	Maximum permitted resistance (mbar)		
	Inhalation		Exhalation
	30 L/min	95 L/min	160 L/min
FFP1	0.6	2.1	3.0
FFP2	0.7	2.4	3.0
FFP3	1.0	3.0	3.0

Note 2: FFP2 respirator. Test results are shown in Annex A Table 7.16.

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
Sodium chloride test	As received	01	0.60	Pass
		02	0.23	
		03	0.17	
Paraffin oil test	As received	04	0.72	
		05	0.64	
		06	0.54	

Flow conditioning: single filter: 95.0 L/min

Table 7.16 Breathing resistance (mbar)

Test specification: EN 149:2001+A1:2009 Clause 8.9

As received	Flow rate		07					08					09				
			A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
Inhalation	30 L/min		0.55	0.58	0.59	0.50	0.59	0.52	0.54	0.62	0.56	0.57	0.51	0.52	0.58	0.55	0.57
	95 L/min		1.75	1.80	1.82	1.55	1.80	1.59	1.75	1.85	1.72	1.84	1.62	1.71	1.82	1.61	1.85
Exhalation	160 L/min		2.41	2.81	2.67	2.17	2.86	2.61	2.63	2.71	2.58	2.78	2.45	2.72	2.69	2.37	2.81
Assessment			Pass														

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

End of Annex A

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Annex B: Photos of sample



End of Annex B