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Test Report

MaskMakers Sweden AB MM-HM-201

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Test report

Object: Test of mask MM-HM-201
Samples received: 27.07.2020
Sampling by: MaskMakers Sweden AB
Method: RFU 02.075 version 2
Test date: 28.07.2020

Results:

All results must meet the requirements stated in EN 149:2001 + A1:2009.

§ 8.2 Visual inspection

The mask was of uniform white material and without valve. The mask had white straps that fit around the ears.

§ 8.4 Practical performance

Practical performance was performed by one test subject in accordance with the specifications in RFU 02.075 version 2.

	Comments
a) Head harness comfort	Ok
b) Security of fastenings	Ok
c) Field of vision	Mask is very close to the eyes so it does hinder the vision a bit
d) Maintenance of face seal	The mask is a bit loose at the cheeks, but ok
e) Other comments	The mask can slide up into the eyes during work

Table 1: Practical performance.

§ 8.7 Carbon dioxide content of the inhalation air

The requirements of EN 149:2001 + A1:2009 is listed in the table below.

Carbon dioxide content of the inhalation air	Measurement (%)
Requirements (mbar)	<1
MM-HM-201 mask	0,35
	0,31
	0,45

Table 2: Carbon dioxide content of the inhalation air

§ 8.9 Breathing Resistance

The requirements of EN 149:2001 + A1:2009 is listed in the table below.

Breathing Resistance	(Inhalation, 30 l/min) (mbar)	(Inhalation, 95 l/min) (mbar)	(Exhalation, 160 l/min) (mbar)
Requirements (mbar)	<0,7	<2,4	<3,0
MM-HM-201 mask	0,45	1,45	2,35
	0,45	1,45	2,35
	0,45	1,45	2,30

Table 2: Breathing resistance

§ 8.11 Penetration of filter material

The requirements of EN 149:2001 + A1:2009 is listed in the table below.

Sample	Result (%)	Requirements (%)	Aerosol
MM-HM-201 mask	0,56	<6	Sodium chloride, 95 l/min
	0,50		
	0,51		

Table 3.1: Penetration of filter material: Initial penetration

Sample	Result (%)	Requirements (%)	Aerosol
MM-HM-201 mask	1,11	<6	Sodium chloride, 95 l/min
	0,97		
	0,97		

Table 3.2: Penetration of filter material: Maximum penetration during exposure

Conclusion:

The mask complies with the requirements of RFU 02.075 version 2 for the tests performed in this report.

Image 1:

