

Analytical Report Nr.

AR-21-YL-000946-01

Sample code Nr.

560-2021-00000901

Date

02/02/2021

ANALYTICAL REPORT

Client Information

Bristol Mask Limited
Unit 2B Barton Hill Trading Estate Herapath Street
BRISTOL UNITED KINGDOM

contact@bristolmask.uk

For the attention of Stefan DELAUNAY

Sample Information

Order Code: EUAA70-00010345
Reception Date: 28-Jan-2021
Analysis Starting Date: 28-Jan-2021
Analysis Ending Date: 2-Feb-2021
Sample code Nr. 560-2021-00000901
Sample described as: Masks

Requirements and decision rule

Customer requirements: EN 14683:2019+AC:2019 TYPE IIR
Decision Rule: Shared risk - Simple acceptance.

Information provided by the customer*

Client Reference: BRIDGE30GSM
Sample Description:
Purchase Order Number:

Batch 002

Analytical Report Nr.

AR-21-YL-000946-01

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02/02/2021

SAMPLE PICTURE

Analytical Report Nr.

AR-21-YL-000946-01

Sample code Nr.

560-2021-00000901

Date

02/02/2021

CONCLUSION:

TEST PROPERTY	PASS	FAIL	REMARKS
Resistance against penetration by synthetic blood ISO 22609:2004			
Mask	X		

Remark: Test has been performed as per application request

Analytical Report Nr.

AR-21-YL-000946-01

Sample code Nr.

560-2021-00000901

Date

02/02/2021

COMPONENT LIST:

COMPONENT ID	COMPONENT NAME	MATERIAL DESCRIPTION	COLOR	REMARKS
CUST 01	Mask	Mask	White	---

Analytical Report Nr.

AR-21-YL-000946-01

Sample code Nr.

560-2021-00000901

Date

02/02/2021

MASKS TESTING	CAS No.	RESULTS	UNC.	LOQ	GUIDELINES
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Analyses on:Mask

Resistance against penetration by synthetic blood

Analysis Ending Date: 02/02/2021

ISO 22609:2004

Number of specimens tested	32	-			
N° of specimens failed	0	-			
N° of specimens passed	32	-	≥29		✓ Pass

At least 29 of 32 specimens must pass tested at 16KPa

Complete test data reported at Annex.

AQL information according to ISO 22609:2004:

A single sampling plan providing an AQL of 4,0 % requires 32 test specimens.

An AQL of 4.0 % is met for a single sampling plan when 29 or more specimens show pass results.

AQL= Acceptable Quality Limit.

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Calle Germán Bernácer, 4





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Analytical Report Nr.

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Signed for and on behalf of Eurofins Textile Testing Spain:

Eurofins Textile Testing Spain, S.L.U.
C/ Constantino Barrio (Alicante)
E-03074099

Report electronically validated by

Maria Jesus Martinez Puig

Chemical Lab manager

EXPLANATORY NOTE

- ◆ Test not covered by ENAC accreditation scope
- Test is subcontracted within Eurofins group and is accredited
- Test is subcontracted within Eurofins group and is not accredited
- Test is subcontracted outside Eurofins group and is accredited
- Test is subcontracted outside Eurofins group and is not accredited

N/A = Not Applicable

Eurofins Textile Testing Spain S.L.U is not responsible of the information supplied by the costumer and reported as section "Information provided by the costumer".

Eurofins General Sales Terms and Conditions Applied.

Results obtained refer only to samples, products or material received in Laboratory, as described in section "Sample information" and tested in conditions shown in present report.

Test uncertainties not reported are at customer disposal, for those tests in which it is possible to evaluate the test uncertainty.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k = 2$, which for a normal distribution provides a level of confidence of approximately 95%.

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If you happen to have any comments, please do it by sending email to textile_spain@eurofins.com and referring to this report number.

End Of Report

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DETERMINATION RESISTANCE AGAINST PENETRATION BY SYNTHETIC BLOOD

Test Method: ISO 22609:2004; Targeting-plate test method

Number of test specimens: 32

Sample size: Circular, diameter 5,58 cm

Sample area tested: 24,5 cm²

Pressure: 16 kPa (120,0 mm Hg)

Stream velocity of synthetic blood: 550±10 cm/s

Distance of the face mask target area surface from the tip of the cannula: 30,5 cm

Angle of the pneumatic valve with respect to the face mask target area: 90°

Technique used to enhance visual detection of synthetic blood: Hydrophilic cotton

Conditioning: At least 4 hours. T^a between 16,7°C and 26°C. RH between 82,8% and 88%

Environmental test conditions 19,3°C; 79,2% Hr

Pre-treatment: None

Specimen	Results	
	Pass	Fail
1	X	
2	X	
3	X	
4	X	
5	X	
6	X	
7	X	
8	X	
9	X	
10	X	
11	X	
12	X	
13	X	
14	X	
15	X	
16	X	
17	X	
18	X	
19	X	
20	X	
21	X	
22	X	
23	X	
24	X	
25	X	
26	X	
27	X	
28	X	
29	X	
30	X	
31	X	
32	X	

Conclusion	PASS
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Operating requirements for surgical masks based on EN 14683: 2019+AC: 2019 standard

TEST	TYPE I	TYPE II	TYPE IIR
Bacterial filtration efficiency (BFE), (%)	≥ 95	≥ 98	≥ 98
Differential pressure (Pa/cm ²)	< 40	< 40	< 60
Splash resistance pressure (kPa)	Not required	Not required	≥ 16
Microbial cleanliness (CFU/g)	≤ 30	≤ 30	≤ 30