Analytical Report Nr. AR-21-YL-000738-02
Sample code Nr. 560-2021-00000764
Date 29/01/2021

ANALYTICAL REPORT

Client Information

Eurofins Polska Sp. z o.o.
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WARSZAWA POLAND

NataliaPapaja-Liczberska@eurofins.com
For the attention of Natalia Papaja-Liczberska

Sample Information

Order Code: EUAA70-00010267
Reception Date: 22-Jan-2021
Analysis Starting Date: 22-Jan-2021
Analysis Ending Date: 27-Jan-2021
Sample code Nr. 560-2021-00000764
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: 720-2021-00012748 Biomask type IIR
Sample Description: Biomask type IIR , Przedsiębiorstwo Produkcyjno-Handlowo-Usługowe "ADRIANNO-DAMIANII" Eksport-Import Leon Kajfasz
Purchase Order Number:
Batch Not provided

(*this report cancels and replaces the previous one, numbered AR-21-YL-000738-01/560-2021-00000764 dated 27/01/2021 which must be destroyed)

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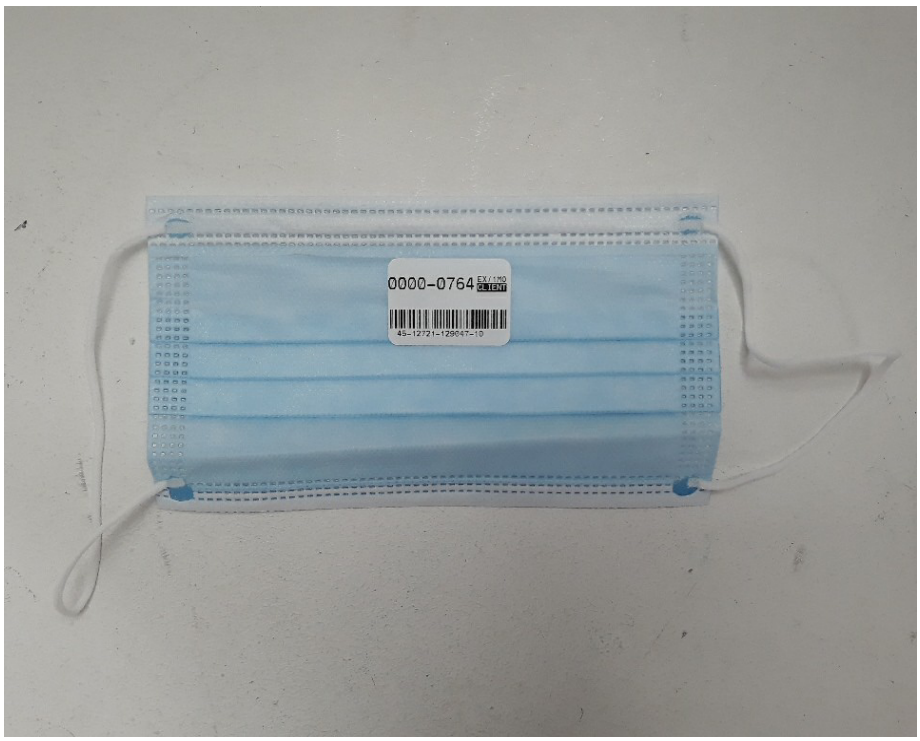
SAMPLE PICTURE



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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

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COMPONENT LIST:

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

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MASKS TESTING	CAS No.	RESULTS	UNC.	LOQ		GUIDELINES

Analyses on:Mask

Resistance against penetration by synthetic blood

Analysis Ending Date: 27/01/2021

ISO 22609:2004

Number of specimens tested		32	-		
Nº of specimens failed		0	-		
Nº 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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Reason for new version: Sample description of "Information provided by the customer" is added due to error at registration.

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Signed for and on behalf of Eurofins Textile Testing Spain:

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

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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 SYNTETIC 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 cm^2

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: 90º

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

Conditioning: At least 4 hours. Tª between 16,7ºC and 26ºC. RH between 82,8% and 88%

Environmental test conditions 17,5ºC; 78,6% Hr

Pre-treatment: None

Results		
Specimen	**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**

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