Analytical Report Nr.	AR-20-YL-008716-01
Sample code Nr.	560-2020-00009549
Date	14/12/2020

ANALYTICAL REPORT

Client Information

Eurofins Polska Sp. z o.o.
ul. Księcia Ziemowita 53 blok 3A lok. 4
WARSZAWA POLAND

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

Sample Information

Order Code:	EUAA70-00009639
Reception Date:	7-Dec-2020
Analysis Starting Date:	7-Dec-2020
Analysis Ending Date:	14-Dec-2020
Sample code Nr.	560-2020-00009549
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:	720-2020-00250455
Sample Description:	Maska medyczna z filtrem meltblown, PROMO-PAK ul. Piątkowska 83i 95-100 Zgierz
Purchase Order Number:	
Batch	Not provided

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SAMPLE PICTURE

Eurofins Textile Testing Spain, S.L.U.
Calle Germán Bernácer, 4
03203 Elche
SPAIN
Phone+34 966 299 638
www.eurofins.com/tex

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CONCLUSION:

TEST PROPERTY	PASS	FAIL	REMARKS
Breathability (Differential Pressure) EN 14683:2019+AC:2019 Annex C			
A-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	A-Mask	Mask	Blue	---

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MASKS TESTING	CAS No.	RESULTS	UNC.	LOQ	GUIDELINES

Analyses on:A-Mask

Breathability (Differential Pressure)

Analysis Ending Date: 14/12/2020

EN 14683:2019+AC:2019 Annex C

Differential pressure	30.8 Pa/cm²	(± 1.7) Pa/cm²	-	<60 Pa/cm²	✓ Pass

Complete test data reported at Annex.

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Signed for and on behalf of Eurofins Textile Testing Spain:

Eurofins Textile Testing Spain, SLU
C/ Germán Bernacer 4, Elche (Alicante)
B66978099

Report electronically validated by

Axel Ferrando
Physical-Mechanical 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%.

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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ilac-MRA ENAC ENSAYOS Nº 1289/LE2439

ENAC is signatory of EA and ILAC Multilateral Agreement for testing
Activities not covered by ENAC accreditation are marked with ◆○●□■

METHOD FOR DETERMINATION OF BREATHABILITY (DIFFERENTIAL PRESSURE)

Test Method: EN 14683: 2019+AC: 2019 Annex C

Number of test specimens: 5

Number of test per specimen: 5

Sample area tested: Circular, diameter 2,5 cm

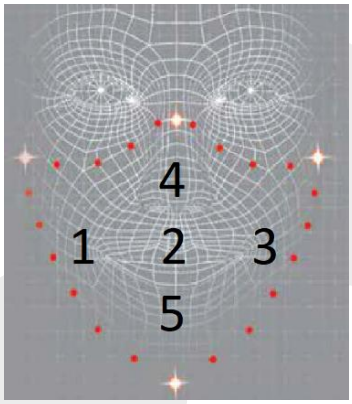
Tested area of the test sample: 4,9 cm^2

Flow rate during testing: 8±0,25 l/min

General location of measurement areas: Representative of the overall surface.

Conditioning: Tª between 16,7ºC and 26 ºC. HR% between 82,8 and 88 % Hr during at least 4 Hr.

Airflow direction during testing: From the inner layer to the outer layer.



Results

Specimen	Units (Pa)						ΔP (Pa/cm²)
	Position 1	Position 2	Position 3	Position 4	Position 5	Mean value (Pa)	
1	168	154	166	145	155	158	32,2
2	152	150	171	160	134	153	31,3
3	150	141	153	158	137	148	30,2
4	144	159	149	150	146	150	30,5
5	145	147	163	150	128	147	29,9
						Mean Value	**30,8**
						Uncertainty	**± 1,7**

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