Analytical Report Nr.	AR-20-YL-005289-01
Sample code Nr.	560-2020-00005800
Date	08/09/2020

ANALYTICAL REPORT

Client Information

Eurofins Medical Device Testing
2425 New Holland Pike
Lancaster Estados Unidos
+1 717 725 8250
KellyConner@eurofins.com

For the attention of Kelly Conner

Sample Information

Order Code:	EUAA70-00008016
Reception Date:	2-Sep-2020
Analysis Starting Date:	2-Sep-2020
Analysis Ending Date:	8-Sep-2020
Sample described as:	Masks

Information provided by the customer:

Client Reference:	DFM3L
Sample Description:	
Customer requirements:	No requirements
Purchase Order Number:	

Decision rule	Not applicable.	**Batch**	Not provided

Analytical Report Nr.	AR-20-YL-005289-01
Sample code Nr.	560-2020-00005800
Date	08/09/2020

SAMPLE PICTURE

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

Analytical Report Nr. AR-20-YL-005289-01
Sample code Nr. 560-2020-00005800
Date 08/09/2020

CONCLUSION:

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

Remark: Test has been performed as per application request

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

Analytical Report Nr. AR-20-YL-005289-01
Sample code Nr. 560-2020-00005800
Date 08/09/2020

COMPONENT LIST:

COMPONENT ID	COMPONENT NAME	MATERIAL DESCRIPTION	COLOR	REMARKS
CUST 01	A - Mask	Mask	Green	---

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

Analytical Report Nr. AR-20-YL-005289-01
Sample code Nr. 560-2020-00005800
Date 08/09/2020

MASKS TESTING	CAS No.	RESULTS	UNC.	LOQ	GUIDELINES

Analyses on:A - Mask

Breathability (Differential Pressure)

Analysis Ending Date: 08/09/2020

EN 14683:2019+AC:2019 Annex C

Differential pressure		49.4 Pa/cm²	-

Complete test data reported at Annex.

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

Analytical Report Nr.	AR-20-YL-005289-01
Sample code Nr.	560-2020-00005800
Date	08/09/2020

Signed for and on behalf of Eurofins Textile Testing Spain:

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

End Of Report

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

METHOD FOR DETERMINATION OF BREATHABILITY (DIFFERENTIAL PRESSURE)

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

Number of test specimens: 5

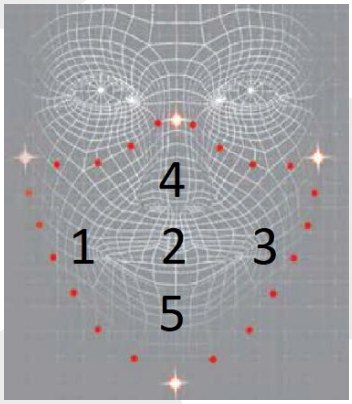
Number of test per specimen: 5

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.



Results

Specimen	Units (Pa)						ΔP (Pa/cm^2)
	Position 1	Position 2	Position 3	Position 4	Position 5	Mean value (Pa)	
1	262	265	271	285	215	260	53,0
2	218	238	205	232	217	222	45,3
3	236	268	275	225	205	242	49,3
4	246	275	219	294	203	247	50,5
5	267	235	208	276	207	239	48,7
						Mean Value	**49,4**
						Uncertainty	**± 2,7**

Observation:

For thick and rigid masks the test method may not be suitable as a proper seal cannot be maintained in the sample holder.

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