

Medical Face Masks





PRODUCT

Product information

TECHNICAL DATA SHEET

Date: 12/06/2020



CLASSIFICATIONTYPE IIMODELZOGEARPRODUCT
DESCRIPTIONShingle pleats rectangular face masks with a
shapeable nose-piece and two earloops present,
one on each side, to hold mask in place.

MEDICAL FACE MASKS

The product covers the nose, mouth and chin of the mask wearer. Its purpose is to reduce the release of air droplets from the airways of an infected person into the environment to limit the further spread of the infection and to protect the carrier from other environmental hazards.



MATERIAL

QUALITY

1st ply	Outer Material 2	25 g/m2 Non-\	Noven		
2nd ply	Filter Layer 2	25 g/m2 Melt-Blown filter			
3rd ply	Inner Material 2	25 g/m2 Fluid resistant Non-Woven			
Nose-piece	Polypropylene (Non-I	Vetal)			
Earloops	Polyester and Spande	ex			
Latex free Norm EN 1468	3, Type I and Type II lim	it			
EN 14683 - EFI		42 m s	DARD / METHOD		
Bacterial filtra	tion efficiency (BFE)	EN 14	EN 14863:2019 Annex B 5.2.2		
Breathability		EN 14	EN 14863:2019 Annex C 5.2.3		
Bioburden me	thod validation	ISO 11	1737-1:2018 Annex B.2		
Bioburden (m	icrobiological contamina	tion) EN 14	683:2019 Annex D 5.2.5		
	ody, with nose-piece on t the mask body. 175 x 95 i		e of the mask and with ultra	asonically w	
Nose-piece	105		± 5 mm		
nose piece	105		2 9 mm		

± 10 mm

165 mm

SIZE

Earloops

FIXTURE



PACKAGING	PRIMARY PACKAGING	SECONDARY PACKAGING				
	50 pcs per box Size: 18.5 x 10 x 9cm Weight: 180 g	40x50 pcs per box Size: 52 x 39 x 39.5cm Weight: 7750 g				
SHELF LIFE	3 years after production date					
STORAGE CONDITION	Store under cool, clean, and dry c	Store under cool, clean, and dry conditions. Avoid excessive heat (over 40°C or 104°F)				
QUALITY ASSURANCE AND CONFORMITY	Directive 93/42/EEC Regulation (EU) 2017/745 (Partly. The entry into force of the Regulation postponed to 26 May 2021 - REGULATION (EU) 2020/561) EN 14683:2019					
COUNTRY OF ORIGIN	LATVIA					

SIA "JUF" – Reg. No.: 43603077785 – Manufacture: Aviacijas street 18, Jelgava, Latvia, LV-3004 – Tel.: +371 27 27 0010 – e- mail: info@juf.lv























EC **Declaration of** Conformity

JUF PRODUCTION

SIA "JUF" Reg. No.: 43603077785

Address: Parka street 26-1, Eleja parish, Jelgava county, Latvia, LV-3023

EC DECLARATION OF CONFORMITY

			No. 20-512-02
	SIA "JUF" declares t	hat this product o	implies with the following regulations:
MANUFACTURER	SIA "JUF" Aviacijas street 18,	jelgava, Latvia, LV	3004
PRODUCT	MEDICAL FACE	MASK	
CLASSIFICATION	TYPE II		
MODEL	ZOGEAR		
PRODUCT DESCRIPTION	reduce the release	e of air droplets f it the further spre	h and chin of the mask wearer. Its purpose is to from the alrways of an infected person into the ad of the infection and to protect the carrier from
QUALITY ASSURANCE AND CONFORMITY	Directive 93/42/EE/ Regulation (EU) 20 (Partly: The entry loss fair EN 14683-2019	17/745	erend to JE May J321 - ARGULANOW (NJ 2030/561)
	EN 14863:2019	Annex 8 5,2.2	Bacterial filtration efficiency (BFE) Test report 20-0647-01
	EN 14863;2019	Annex C 5.2.3	Breathability Test report 20-0647-02
	150 11737-1:2018	Annex 8.2	Bioburden method validation Test report 20-0647-03
	EN 14683:2019	Annex D 5.2.5	Bioburden (microbiological contamination) Test report 20-0647-04

This declaration of conformity is issued under the sole responsibility of the manufacturer. The object of the declaration identified above is in conformity with the relevant Union harmonisation legislation: Directive 93/42/EEC with its requirements and with the harmonised standards:



We hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced standards and meets all essential requirements of the specified directives.

> Signed Baiba Podane Position Member of the Board Location jelgava, Latvia

Signature: Date of issue: 2020/06/12

Parka street 26-1. Deja partiti jelgava uruniy, Labia 19/3023 - Menufacture: Awardan street 10. jelgava Labia. (9/10)4 Tel. - 1371 27/27 (2010 - el mail: integratio



Test

Reports





Messrs SIA "JUF" Parka street 26-1, Eleja parish. LV-3023 JELGAVA COUNTY LATVIA

Zola Predosa, 10/06/2020

Ref. Your Order del 2020

Test Report N° 20-0647-01

DETERMINATION OF BACTERIAL FILTRATION EFFICIENCY (BFE)

Sample description

Denomination: Face mask # Code: / # Lot. / # Sterilization: No Receipt number: 16211 Receipt date: 26/05/2020 Sampling carried out by: SIA *JUF*

Further information about the sample

Number of tested samples: 5 Size of the area of the specimens: 50 cm² Side of the test sample facing the challenge aerosol: the internal part

Test date

The test was started on 08-06-2020 and was completed on 09-06-2020

Test method

EN 14683:2019 Annex B

Equipments and reagents

Vacuum pump "GEO Air Plus" Modified Andersen Cascade Impactor "TE-20-830" MMAD nebulizer 3,0 ± 0,3 µm Colture plates containing TSA

Summary of method

A negative control is performed by passing air, without addition of the bacterial challenge, through the cascade impactor for 2 minutes.

Then the bacterial challenge of Staphylococcus Aureus ATCC 6538, with a concentration of 1,7 x 103 to

3,2 x 10³ UFC/ml, is delivered to the aerosol chamber.

A first positive control is performed, by passing the bacterial challenge through the cascade impactor at a flow rate of 28,3 ± 0,5 l/min for 1 minute. The airflow is maintained through the cascade impactor for 1 additional minute, for a total test time of 2 minutes.

The control plates are removed from the cascade impactor and fresh plates are placed in order to perform the test on the test samples.

Mod. BFE Rv00 Test Report N*20-0647-01 Page 1/2

VIA BENINI 13- 40069 ZOLA PREDOSA BO - TEL +39-051755295 - FAX +39-051754622 www.biochem-bcm.com E-mail Info@biochem-bcm.com - C.F. # P IVA IT 03531810376 - R.E.A. BO-297535



ANALISI CHIMICO-FISICHE MICROBIOLOGICHE BIOCOMPATIBILITA' CONSULENZA TECNICA BIOTECNOLOGIE

The specimen is clamped in place between the first stage of the cascade impactor and the inlet cone of the nebulization collector and the procedure used for the positive control is repeated for each of the 5 specimens to be tested.

After the last specimen has been tested, a further positive control run is performed.

Then all the plates are incubated at 37 ± 2°C for a lenght of time between 24 and 72 hours.

After the incubation, for each specimen and control run, the number of colonies is counted in order to give the total number of CFU collected by the cascade impactor.

The Bacterial Filtration Efficiency (BFE) is calculated for each test specimen, as a percentage, using the following formula:

BFE = [(C - T) / C] x 100

where

C is the mean of the total plate counts for the two positive control runs; T is the total plate count for the test specimen

Results

Determination	Collected CFU	BFE (%)	BFE (%) Type I limit	Compliance to Type I limit	BFE (%) Type II and IIR limit	Compliance to Type II and IIR limit
Negative control	0		121.02	i i		
Positive control run 1	2858			1.		
Positive control run 2	2872					
Positive control average	2865					
Test 1	5	99.8	≥ 95	In complance	≥ 98	in complance
Test 2	7	99.8	≥ 95	In complance	2 98	In compiance
Teet 3	9	99.7	2.95	In complance	a 98	In compiance
Test 4	11	99.6	≥ 95	In compiance	≥ 98	In complance
Test 5	8	99.7	≥ 95	In complance	2.98	In compiance
Sample average	8.2	99.7	≥ 95	In complance	≥ 98	In complance

The present test report exclusively refers to the referenced test sample. If the sample has been sampled by the Customer, the results are referred to the sample as received. The present test report may not be partially reproduced without Bochem authorization.

(#) Data provided by the Customer. The laboratory declines responsibility for such data.

Test verified by: Buriani Giampaolo, PhD,

Issue authorized by: Head of Laboratory, Giovanni Bassini, Ch. Eng.

END OF TEST REPORT

Mod. BFE Rv00 Test Report N*20-0647-01

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Test Reports



Zola Predosa, 04/06/2020

Ref. Your Order of 2020

Sample description # Denomination: Face mask

Receipt date: 20/05/2020

flamping carried out by SFA "JUF"

Number of tested specimens: 5

Further information about the sample

Number of tested areas per sample: 5

Code #Lot # Sterilization: No. Receipt number: 16212

Massart S14 ".R.IF" Parks street 25-1, Eleja parish LV-3023 JELGAVA COUNTY LATVIA

ANALISE CHIMICO-PISICHE

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CONSULENZA TECNICA 810 TECNOLOGIE



Picture of the sampler



Test date 01-08-2020

Test method

EN 14683 2019 Annex c

Burnnery of method

Each specimen is conditioned at 22 ± 2°C and 80 ± 1.0% relative unidity for a minimum of 4 hours before The test

A device which measures the differential pressure required to draw air through a measured surface area at a constant or flow rate is used to measure the air exchange pressure of the medical face mask material. A digital differential manometer is used to measure the differential pressure. A mass flow meter is used for measurement of the airflow. An electric vacuum pump draws air through the test apparatus and a needle valve is used to adjust the airflow rate.

Without a specimen in place, the holder is closed and the differential manometer is perced. The pump is started and the flow of air adjusted to 8 zmin.

The holder is opened and the test specimen is placed across the 25 mm diamater orfice (total area 4.9 on(2) between the top and the bottom parts of the holder. Then it is clamped in place using a mechanical clamp with sufficient pressure to avoid air leaks. Oue to the presence of an alignment system the tested area of the specimen should be perfectly in line and across the flow air. With the specimen in place the flow rate shall be 6 Orein.

The procedure described is carried out on 5 (or appropriate number) different areas of the mask and the needings oversiged.

Shell Receiving Public Test Report M*20.0847-02 Flags 223 VIA BENNE 15- 40069 ZOLA PREDOBA 80 - TEL +99-00170085 - FAX +99-001754522 www.booken-box.com E-mail and Benchen-box.com - C/L + P FAA IT 020181078 - BLA 40-20181

ANALESI CHIMICO-FESICHE MICROBIOLOGICHE BIOCOMPATIBILITA CONSULENZA TECNICA

For each test specimen the differential pressure of each tested area is calculated as follows:

DP = DP read's 4.9

DP is the Differential Pressure for cert2 of test material expressed in Pa: Dp read is the Differential Pressure for specimen. 4.9 is the area (in cm2) of the test material.

Results

where

ANALISE CHEMICO-PESICHE

MICROBIOLOGICHE

BIOCOMPATIBILITA'

CONSULENZA TECNICA BIOTECNOLOGIE

Detensitution	IP Read (Pa)	(Palves)	DP (Palonit) Type 1 and 21 limit	Compliance to Type I and II limit	OP (Paron2) Type (# lient	Compliance to Type IIR limit
Specimies 1-Post A	162	-33.1	+ 45	Compliant	193	Compliant
Specimen 2 - Pue. 8	168	34.5	+ 43	Campilent	- 60	Compliant
Specimen 3 - Pos. C	158	31.0	+ 40	Compilant	< 60	Compliant
Speciment 4 - Poe. D.	169	34.3	4.40	Compliant	× 80	Compliant
Spectmen 5 - Pos. A.	173	25.3	+ 40	Compliant	< 00	Complant
Total average of apeciments		11.8	< 40	Gangdant	× 40	Compliant

The prosent test report explusively refers to the relatenced test parages If the semale has been sempled by the Costomer, the results are referred to the semple as repoved. The present test report may not be partially reproduced without Stocham automostation.

(#) Date provided by the Castomer. The laboratory destines responsibility for such date.

Test verified by: Burtani Giampeolo, PhD.

tasue authorized by Head of Laboratory, Gloverni Baseini, Ch. Eng.

END OF TEST REPORT

Mod. Breathatility Dubb Tirel Report N°20-0047-02 Page 31 VAX 051414 13- 40049 20LA PREDORA 100- TEL 439-051755280 - FAX 420-051754622 www.biofwrydory.com E-said afs@biodows.som.com - C/F + FAX-IT 0802747076 - N.F.A. NO.202528

Mod. Shashasiliy DoOL Test Report N°25-0841-82 Pigi 11

Test Report Nº 20-0647-02 DETERMINATION OF BREATHABILITY (DIFFERENTIAL PRESSURE)

General location of the chosen areas to be tested; representative areas are chosed for the test

Specimens are taken from one or more samples, depending on the available area. Earspie preparation: the test is performed on the sample lying flat, wrinkle-free.

VA BENNA 13-4000 ZOLA PREDOSA, 80 - TEL +08-05/176500 - FAR +58-05/176802 and biolemotory core. E-east religibilitation core - C.F. # P.NA.IT.535(18)205 - R.E.A. RO-20152



Test Reports



Zola Predosa, 08/06/2020 Ref. Your Order del 2020

Sample description

Code: / #Lot / # Sterilization: No N° of tested samples: 5 Receipt number: 16213 Receipt date: 26/05/2020 Sampling carried out by: SIA "JUF"

Test method ISO 11737-1:2018

Summary of practice

Denomination: Face mask





ANALISI CHIMICO-FISICHE MICROBIOLOGICHE BIOCOMPATIBILITA CONSULENZA TECNICA BIOTECNOLOGIE

Results

Staphylococcus aureus ATCC 6538

Sample	Contamination (cfu/sample)	Recovered micro-organism (cfu/sample)	Recovery (%)
1	56	32	57.1
2	56	44	78.6
3	56	22	39.3
4	56	48	82.1
5	56	50	89.3
Mean value		38.8	69.3
Correction factor		1.44	

Candida albicans ATCC 10231

Sample	Contamination (cfu/sample)	Recovered micro-organism (cfu/sample)	Recovery (%)
1	294	274	93.2
2	294	204	69.4
3	294	200	68.0
4	294	232	78.9
5	294	170	57.8
Mean value		216	73.5
Correction		1.36	

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(#) Data provided by the Customer. The laboratory declines responsibility for such data.

Test verified by: Buriani Giampaolo, PhD.

Issue authorized by: Head of Laboratory, Giovanni Bassini, Ch.Eng.

END OF TEST REPORT

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Mod. ConvFittaz Rv22

Test Report N*20-0647-03



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Messrs.

Test Report N° 20-0647-03 DETERMINATION OF A POPULATION OF MICROORGANISMS ON PRODUCTS -VALIDATION OF METHOD

The test was started on 03/06/2020 and was completed on 08/06/2020.

SIA "JUF"

Parka street 26-1. Eleia parish. LV-3023 JELGAVA COUNTY LATVIA

Test Report N°20-0647-03

Sterile samples have been contaminated with a know concentration of Staphylococcus aureus ATCC 6538 and Candida albicans ATCC 10231. Micro-organisms were extracted from samples using sterile

physiological saline containing 0,05 % of Tween 80 in mechanical agitation. The extract obtained from each sample was filtrated through a 0,45 µm sterile membrane filter. One half of the filter was incubated

microrganisms. The other half was incubated on Potato Dextrose Agar (POT) culture medium for 5 days at 22 ± 2°C to evaluate recovered yeasts and moulds . Then was calculated the correction factor for each

on Tryptone Soya Agar (TSA) culture medium for 72 hours at 32°C ± 2°C to evaluate aerobic









ANALISI CHIMICO-FISICHE MICROBIOLOGICHE BIOCOMPATIBILITA CONSULENZA TECNICA BIOTECNOLOGIE

Test Reports

Zola Predosa, 08/06/2020

Ref. Your Order del 2020

Test Report Nº 20-0647-04

Messrs. SIA "JUF"

Parka street 26-1, Eleja parish. LV-3023 JELGAVA COUNTY LATVIA

DETERMINATION OF A POPULATION OF MICROORGANISMS ON PRODUCTS

Sample description

# Denomination: Face mask	
# Code: /	
# Lot: /	
# Sterilization: No	
N° of tested samples: 5	
Receipt number: 16214	
Receipt date: 26/05/2020	
Sampling carried out by: SIA *J	UF

enomination: Face mask	
ode: /	
ot: /	
terilization: No	
f tested samples: 5	
eiot number: 16214	
eipt date: 26/05/2020	
npling carried out by: SIA *JUF	

The test was started on 03/06/2020 and was completed on 08/06/2020.

Test method

ISO 11737-1:2018

Summary of practice

Samples were aseptically treated. Micro-organisms were extracted from samples using sterile physiological saline containing 0.05 % of Tween 80 in mechanical agitation. The extract was collected and filtered through a 0,45 µm sterile membrane filter. One half of the filter was incubated on Triptone Sova Agar (TSA) culture medium for 72 hours at 32 ± 2°C in order to evaluate non-selective aerobic bacteria. The other half was incubated on Potato Dextrose Agar (POT) culture medium for 5 days at 22 ± 2°C in order to evaluate yeasts and moulds. Results were multiplied by correction factor (1.44 - 1.36) obtained from the method validation (see test report N° 20-0 647-03).

Results				
Sample	Non-selective aerobic bacteria (cfu/sample)	£.	Moulds (cfu/sample)	Yeast (cfu/sample)
1	10		4	<2
2	44		~2	<2
3	4		~2	<2
4	12		2	<2
5	14		<2	<2
Mean value	16.8		<2.4	<2.0
Correction factor	1.44		1.36	1.36
Corrected value	24.2		<3.3	<2.7
Value per gram	9.5		<2	<2

SUM OF MICROORGANISMS: <13.5 cfu/gram

OPINIONS AND INTERPRETATIONS - Not included in ACCREDIA accreditation

Compliance with EN 14683:2019 5.2.5 Microbial cleanliness (Bioburden): In compliance

The present test report exclusively refers to the referenced test sample. If the sample has been sampled by the Customer, the results are referred to the sample as received. The present test report may not be partially reproduced without Blochem authorization.

(#)Data provided by the Customer. The laboratory declines responsibility for such data.

Test verified by: Buriani Giampaolo, PhD.

Issue authorised by: Head of Laboratory Dr. Giovanni Bassini

END OF TEST REPORT

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Test Report N°20-0647-04

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Test Report N°20-0647-04



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