TEST REPORT NUMBER: PRTT00081133 Revision 1

APPLICANT: TIME INTERNATIONAL TRADING SRL **DATE OF EMISSION:** 08/01/2021

7 IULIU MANIU BLVD, No. 7, BL COPR B ET 2

SECTOR 6 - BUCHAREST, ROMANIA
061072

SAMPLE DESCRIPTION:

Type Mask : Medical Face -Type IIR
Reference : FM/002
Colour : Blue/White
Type and Composition of Material : 100% Nonweoven Polypropylene
Mass per unit Weight: -
Batch Number : 002/20112721
End use : 2025
Supplier : Time International Trading
1 - Medical Masks

DATE OF RECEPTION: 09/12/2020

TEST PERFORMED BETWEEN DATES: 09/12/2020 and 08/01/2021

WORK DAYS: 20

REQUEST: Tests performed in accordance with APPLICANT TEST REQUEST specification

NOTES: The requirments were corrected by Supplier to Type IIR on 08-01-2021.
This report replaces the report no. PRTT00081133 from 2020-12-22 and should be used instead.

Samples

Test	1
‡ BFE (FILTRATION)	M
‡ DIFFERENCIAL PRESSURE (BREATHABILITY)	M
‡ MICROBIAL CLEANLINESS/BIOBURDEN	M
‡ SPLASH RESISTANCE PRESSURE	M

M = Meet buyer's requirement; NM = does not meet buyer's requirement; NR = Not requested; NA = Not applicable; NC = No comment; SC = Still continues
- The report is made on the basis of instructions and/ or information and materials supplied.
Results and observations are only valid for the samples that were submitted.
The report shall not be reproduced except in full, without the written approval of Intertek Portugal.
To declare or not compliance with the specification, uncertainty associated to the result was not explicitly taken into account. Uncertainty doesn't include the sampling component as it isn't our responsibility.
- Tests marked by (*) are not included in the scope of IPAC accreditation for this Laboratory.
- Tests marked by (‡) were performed by an approved third-party subcontractor laboratory, and are not included in the scope of IPAC accreditation.
Consult our terms and conditions on http://www.intertek.pt/termos-e-condicoes/.

Textiles Laboratory Manager
ana.morgado@intertek.com

Test Method	Results	Requirements

‡ BFE (FILTRATION)

EN 14683:2019+AC 2019

Type IIR >/= 98%

Sample: 1

RESULT

99.1%

Test Conditions:
Temperature: 21±5ºC Humidity: 85±5%
Dimensions of the test specimens: 49cm2 (5 test specimens)
Side of the test specimen facing the challenge aerossol: intern
Air flow rate: 28.3 l/min.
MPS 2.9
Test specimen 1 (99.3%), Test specimen 2 (98.7%), Test specimen 3 (99.7%), Test specimen 4 (99.7%), Test specimen 5 (99.0 %).

The expanded uncertainty at a confidence level of 95%, k=2: 1.8%

‡ DIFFERENCIAL PRESSURE (BREATHABILITY)

EN 14683:2019+AC 2019

Type IIR <60 Pa/cm2

Sample: 1

RESULT

32.7 Pa/cm2

Test conditions: Temperature and Relative humidity: 21±5ºC / 85± 5 %
Dimensions of the test specimens: 4.9cm2 (5 réplicas/ 5 test specimens)
Number of áreas per specimen: 5 áreas for test specimen (A,B,C,D,E)
Number and general location of the areas of the mask the differential measurements were taken: Test performed with the direction of flow from the inside to the outside. Side and central location.
Air flow rate: 8L/min
Test specimen 1 (área A,B,C,D,E), Test specimen 2 (área A,B,C,D,E),Test specimen 3 (área A,B,C,D,E), Test specimen 4 (área A,B,C,D,E), Test specimen 5 (área A,B,C,D,E)
Test specimen 1 (33.7 Pa/cm2), Test specimen 2 (31.6 Pa/cm2), Test specimen 3 (32.7 Pa/cm2), Test specimen 4 (32.7 Pa/cm2), Test specimen 5 (32.7 Pa/cm2)

Sample: 1 Type IIR <60 Pa/cm2

RESULT

The expanded uncertainty at a confidence level of 95%, k=2: 8.7%

‡ MICROBIAL CLEANLINESS/BIOBURDEN

EN ISO 11737-1:2018

Sample: 1 Type IIR </= 30 cfu/g

RESULT

6 UFC/g
Test Conditions:
5 min shaker at 250rpm
Área of each test specimen: 5 test specimens
Mic30ºC (3 days), Molds and yeasts 25ºC (7 days)

Results: 4, 8, 6, 6, 6

The expanded uncertainty at a confidence level of 95%, k=2: 20%

‡ SPLASH RESISTANCE PRESSURE

ISO 22609:2004

Sample: 1 Type IIR >/= 16.0 kPa

RESULT

16.0 kPa
Test conditions: Samples pre-condictioned for at least 4 hoursat Temperature and Relative humidity: 21±5ºC / 85± 5 %
Samples exposed to a jet of 2mL synthetic blood at pressure (low: 10.6 KPa; medium: 16.0 KPa; high:21.3 KPa) aimed at the centre of the mask.
Test performed at laboratory temperature of 21ºC and 45% relative humidity, within 60 seconds after the mask was removed from the conditioning chamber

Sample: 1 Type IIR >/= 16.0 kPa

RESULT

Observation after 10+1 second of blood penetration on the opposite side of the mask.
Synthetic blood according to Annex B of ISO 22609: 2004 with surface tension of 42 + 2mN / m, batch # L202012
Number and General location of the áreas: 32 test specimen / center (pass at least Medium pressure test for 29 out of 32 samples as minimum, corresponding to AQL 4%, acording EN 14683: 2019 mask Type IIR)
Results:
Médium pressure (16.0KPa) 32 specimen "pass", 0 specimen "fail"

Medium pressure test for 29 out of 32 samples as minimum, corresponding to AQL 4%, acording EN 14683: 2019 mask Type IIR)

Sample	Medium Pressure 16.0 Kpa
Amost1	Pass
Amost2	Pass
Amost3	Pass
Amost4	Pass
Amost5	Pass
Amost6	Pass
Amost7	Pass
Amost8	Pass
Amost9	Pass
Amost10	Pass
Amost11	Pass
Amost12	Pass
Amost13	Pass
Amost14	Pass
Amost15	Pass
Amost16	Pass
Amost17	Pass
Amost18	Pass

Sample: 1 Type IIR >/= 16.0 kPa

RESULT	
Amost19	Pass
Amost20	Pass
Amost21	Pass
Amost22	Pass
Amost23	Pass
Amost24	Pass
Amost25	Pass
Amost26	Pass
Amost27	Pass
Amost28	Pass
Amost29	Pass
Amost30	Pass
Amost31	Pass
Amost32	Pass

INTERTEK PORTUGAL UNIPESSOAL, LDA.

Rua Antero de Quental, 221- sala 102, 4455-586 Perafita - Matosinhos
Tel. (+351) 220 600 343