Verify the validity with the OR code



NB 2163

# EU TYPE EXAMINATION CERTIFICATE

Certificate No: 2163-PPE-1270

Respiratory protective devices, filtering half masks to protect against particles manufactured by

# Fago Medikal Sanayi ve Ticaret Limited Sirketi

are tested and evaluated according to

EN 149:2001 + A1:2009 Respiratory Protective Devices 
Testing Half Masks to Protect Against Particles 
Testing, Marking

Based on the type examination conducted with the evaluation of test reports, technical file according to Personal Protective Equipment Regulation (EU) 2016/425 Annex 5, it is approved that the product meets the requirements of the regulation.

**Product Definition** 

Model: FAGO 101 Filtering half mask Classification: FFP2 NR

Here by the manufacturer is allowed to be notified body number (2163) and can fix CE mark, as shown below, on the Category IV product models given above, with;

- Issuing an appropriate EU Declaration of Conformity according to Personal Protective Equipment Regulation (EU) 2016/425 Armex 9.
- Ongoing successful performance in fulfilment of the requirements set out in Personal Protective Equipment Regulation (EU) 2016/425 and harmonised standards, ensured by assessments based on Annex 7 (Module C2) or Annex 8 (Module D) of the regulation no later than 1 year from the beginning of serial production

This certificate is initially issued on 13/08/2020 and will be valid for 5 years, if there is no change in the relevant harmonised standard affecting the essential health and safety requirements.

Suat KAÇMAZ UNIVERSAL CERTIFICATION Director



## UNIVERSAL CERTIFICATION and SURVEILLANCE SERVICES TRADE CO.

Necip Fazil Bulvari Keyap Sitesi E2 Blok No:44/84 Yukari Dudullu Umraniye, Istanbul / TURKEY

#### TEST REPORT

Report Date: 13.08.2020

Report Number: 08-2020-T0303

CLIENT and SAMPLE INFORMATION

MANUFACTURER	FAGO MEDİKAL SANA	Yİ VE TİCARET LİMİTED ŞİRKETİ					
MANUFACTURER ADDRESS	15 Temmuz Mahallesi C Istanbul	15 Temmuz Mahallesi Cami Yolu Caddesi No :106 İç Kapı No :Z1 Bağcılar İstanbul					
SAMPLE DESCRIPTION	Folding type protective ma	ask					
BRAND NAME - MODEL	FAGO IO	FAGO IO					
TESTING STANDARD	EN 149+A1:2009						
CASE NUMBER	CE-PPE-3246						
SAMPLE RECEIVE DATE	27.07.2020 T	ESTING START DATE 27.07.2020					
DISINFECTION INSTRUCTION If applicable	Not given, single use only						
NUMBER OF SAMPLES	50 SAMPLE	IDs: 1-46					
AS RECEIVED SAMPLE NO	26-46	`0.					
	Simulated wearing treatment	1-2-3-4-5-6-7-8-9 (As Received)					
CONDITIONING SAMPLE NO	Temperature conditioning						
	70 S.F.	16-17-18-19-20-21-22-23-24-25 (As Received)					
	Mechanical strength	10-11-12-13-14-15 (As Received)					

The results given in this test report belongs to the samples tested. The report content cannot be recreated partially without the written consent of UNIVERSAL CERTIFICATION.

UNIVERSAL

SERTIFIKASYON VE 902-57IM HIZM, TIC. LTD. 571, INVANTACIO STESI, EZ BION VIO:44/34 Didyllig Jameniye/ISTA IBOL 236-455 50 80 Faks: 0216 155 80 08 Sarigazi V.D. 892 025 8722

Suat KAÇMAZ Director



#### 1. REPORT SUMMARY

STANDARD	TEST NAME	RESULT	EVALUATION
EN 149:2001 + A1:2009 clause 8.5 EN 13274-1:2001	Total Inward Leakage Testing	Pass	FFP2
EN 149:2001 + A1:2009 clause 8.11 EN 13274-7 <del>:20</del> 19	Penetration of Filter Material	Pass	FFP2
EN 149:2001 + A1:2009 clause 8.6 EN 13274-4:2001	Flammability Testing	Pass	See result
EN 149:2001 + A1:2009 clause 8.7 EN 13274-6:2001	Carbon Dioxide Content of The Inhalation Air Testing	Pass	See result
EN 149:2001 +	Breathing Inhalation Resistance-30 l/min	Pass	See results
A1:2009 clause 8.9 EN 13274-3:2001	Breathing Inhalation Resistance-95 l/min	Pass	See results
EN 149:2001 + A1:2009 clause 8.9 EN 13274-3:2001	Exhalation Resistance flow rate 160 l/min	Pass	See result
		\$\frac{1}{2}\$	
			20th

UNIVERSAL



#### 7.4 PACKAGING (EN 149:2001 + A1:2009 clause 8.2)

Test Method: Clause 8.2-Visual inspection

REQUIREMENT	RESULTS	COMMENT
Particle filtering half masks shall be offered for sale packaged in such a way that they are protected against mechanical damage and contamination before use.	Pass	The masks were packaged in sealed plastic bags, in larger plastic bags inside a large cardboard box that gave some protection against mechanical damage or contamination before use

Lab A

# 7.5 MATERIAL (EN) 149:2001 + A1:2009 clause 8.2, 8.3.1, 8.3.2)

Test Method: Clause 8.2-Visual inspection Clause 8.3.1-Simulated wearing treatment

A breathing machine is adjusted to 25 cycles/min and 2,0 l/stroke. The particle filtering half mask was mounted on a Sheffield dummy head.

For testing, a saturator is incorporated in the exhalation line between the breathing machine and the dummy head, the saturator being set at a temperature in excess of 37 °C to allow for the cooling of the air before it reaches the mouth of the dummy head.

The air has been saturated at  $(37 \pm 2)$  °C at the mouth of the dummy head

Clause 8.3.2-Temperature conditioning

The ambient temperature for testing has been between 16 °C and 32 °C and the temperature limits has been subject to an accuracy of  $\pm 1$  °C.

- a) for 24 h to a dry atmosphere of  $(70 \pm 3)$  °C;
- b) for 24 h to a temperature of  $(-30 \pm 3)$  °C; and allow to return to room temperature for at least 4 h between exposures and prior to subsequent testing. The conditioning has been carried out in a manner which ensures that no thermal shock occurs.

REQUIREMENT	RESULTS	COMMENT
Materials used shall be suitable to withstand handling and wear over the period for which the particle filtering half mask is designed to be used.	Pass	The materials used were able to withstand handling and wear during the limited laboratory testing carried out.
Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer.	Pass	It was not constitute a fazzard or nuisance for the wearer.
After undergoing the conditioning described in 8.3.1 none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps.	Pass	None of the specimens conditioned suffered mechanical failure.
When conditioned in accordance with 8.3.1 and 8.3.2 the particle filtering half mask shall not collapse.	Pass	None of the specimens had not collapse after conditioning.

Lab B





# 7.6 CLEANING AND DISINFECTING (EN 449:2001 + A4:2009; clause 8.4, 8.5, 8.11)

Test Method: Described in Clause 8.4, 8.5 and 8.11

REQUIREMENT	RESULTS	COMMENT
If the particle filtering half mask is designed to be re-usable, the materials used shall withstand the cleaning and disinfecting agents and procedures to be specified by the manufacturer. With reference to 7.9.2, after cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration requirement of the relevant class.	N/A	This article is not applicable for tested protective mask which is single use disposable mask.

# 7.7 PRACTICAL PERFORMANCE (EN 149:2001 + A1:2009 clause 8.4)

Test Method: Described in Clause 8.4

REQUIREMENT	RESULTS	COMMENT
The particle filtering had mask shall undergo practical performance tests under realistic conditions. These general tests serve the purpose of checking the equipment for imperfections that can not be determined by the tests described elsewhere in this standard.	No imperfections	Detail refer to Annex I
Two as received mask samples are used by two subject for the walking (10 mins walking with a speed of 6km/h) and work simulation (bended walking, crawling and basket filling exercises) tests.		

#### Annex I-Test Result:

Number of sample: 29 (A.R), 30 (A.R)

Assessed elements	Positive Assessment	Negative Assessment	Requirements in accordance with EN 149:2001+A1:2009	Assessment of Test Result Conformity / Nonconformity
The face piece fitting Head harness comfort Security of fastenings Field of vision	2 2 2 2 2	0 0	Filtering half masks should not have imperfections related to wearer's acceptance	Filtering half masks fulfil requirements of the standard EN 149:2001 + A1:2009 given in 7.7 No imperfections

The subjects (MEG and MA) were able to complete the exercises and did not report any nuisance or problem with the mask. Lab B

#### 7.8 FINISH OF PARTS (EN 149:2001 + A1:2009 clause 8.2)

Test Method: Described in Clause 8.2

ESULTS	COMMENT
Pass	None of the specimens used in laboratory testing showed evidence of sharp edges or burrs while visual inspection and performance tests.
	Pass

Lab A





#### 7.9.1 TOTAL INWARD LEAKAGE (EN 149:2001 + Alt:2009 clause:8.5)

Test Method: Described in Clause 8.5

REQUIREMENT	RESULTS	COMMENT
The total inward leakage consists of three components: face seal leakage, exhalation value leakage (if exhalation value fitted) and filter penetration. For particle filtering half masks fitted in accordance with the manufacturer's information, at least 46 out of the 50 individual results shall be not greater than: 25 % for FFP1, 11 % for FFP2, 5 % for FFP3 and in addition at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall not be greater than: 22 % for FFP1, 8 % for FFP2, 2 % for FFP3	Pass	Classified as FFP2  Detail refer to  Annex II

## Annex II-Test Result:

The test results obtained are given in the tables as follows

At least 9 of 10 individual wearer arithmetic means were not greater than 8 %.

Test Subject	No of sample	Cond.	1. Walk (%)	Head side/ side (%)	Head up/down (%)	Talk (%)	2. Walk (%)	Average (%)
1	31/	A.R.	7,18	8,40	7,77	8,41	6,83	7,72
2	32	A.R.	6,65	7,01	8,20	6,87	7,25	7,20
3	33	A.R.	6,71	7,05	8,55	7,69	8,41	7,68
4	34	A,R.	8,13	8,22	7,50	7,88	6,94	7,74
5	35	A.R.	8,26	7,71	6,98	8,49	7,47	7,78
6	16	T.C.	7,49	8,21	7,42	7,13	7,91	7,63
7	17	T.C.	7,18	7,20	7,97	7,98	7,55	7,57
8	18	T.C.	7,86	8,04	8,41	7,89	7,56	7,95
9	19	T.C.	7,60	8,02	6,88	7,30	8,33	7,63
10	20	T.C.	8,45	8,52	7,56	7,95	7,69	8,03
			re not greater tha		than 9 %			Pass (FFP2)

Test Subject	Face Length (mm)	Face Width (mm)	Face Depth (mm)	Mouth Width (mm)
1	117	155	130	60
2	113	148	128	62
3	112	160	134	59
4	115	148	125	61
5	120	158	132	57
6	118	150	134	59
7	115	152	130	57
8	117	155	134	59
9	114	149	128	57
10	110	150	131	55

For Information Only

Lab B





## 7.9.2 PENETRATION OF FILTER MATERIAL (ENH49:2001 # AK2009 clause 8.11)

Test Method: Described in Clause 8.11

REQUIREMENT		RESULTS	COMMENT		
Classification	Max penetration of test aerosol			Detail refer to Annex IIIA and IIIB	
	NaCl test Paraffin oil test 95 l/min 95 l/min %max %max	Pass			
FFP1	20	20	Access		
FFP2	6	6			
FFP3	1	1			

Annex IIIA-Test Result:

The test results obtained are given in the tables as follows;

No. of Sample	Condition	Penetration of Sodium Chloride in accordance with EN 13274- 7:2019 [%] Flow rate 95 I/min	Requirements in accordance with EN 149:2001+A1:2009	Assessment of Test Result Conformity / Nonconformity
36 37 38	As received	1.05 1,33 1.29	FFD1 - 20 0	Passed Filtering half masks
2 3	Simulated wearing treatment	1,30 1,37 N27,	FFP1 ≤ 20 % FFP2 ≤ 6 %	fulfil the requirements of the standard EN 149:2001+A1:2009
10 11 12	- Mechanical strength + Temperature conditioned	1.07	FFP3 ≤ 1 %	given in 7.9.2 in range of the first, second and third protection class (FFP1, FFP2,FFP3)

#### Annex IIIB-Test Result:

The test results obtained are given in the tables as follows:

No. of Sample	Condition	Penetration of Paraffin Oil Mist in accordance with EN 13274-7:2019 [%] Flow rate 95 l/min	Requirements in accordance with EN 149/2001+A1:2009	Assessment of Test Result Conformity / Nonconformity
39	100 may 22	1,68		Passed
40	As received	2,76		
41		2,16	FFP1 ≤ 20 %	Diltering half masks fulfil
4	Classificated asserting	1,82		the requirements of the
5	Simulated wearing	2.90	FFP2 ≤ 6 %	standard EN
6	treatment	2,59		149:2001+A1:2009 given
13	Mechanical strength +	2,86	FFP3 ≤ 1 %	in 7.9.2 in range of the first,
14	Temperature	2,65		second and third protection
15	conditioned	2,83		classes (FFP1, FFP2, FFP3)

Lab A+B





#### 7.10 COMPATIBILITY WITH SKIN (EN 14952801 + A1 (2009 diausé 8.4, 8.5)

Test Method: Described in Clause 8.4 and 8.5.

REQUIREMENT	RESULTS	COMMENT
Materials that may come into contact with the wearer's skin shall not be known to be likely to cause irritation or any other adverse effect to health.	Pass	No irritation or any other adverse effect to health or sensitivity reported by the subjects during the practical performance and TIL tests.

Lab B

# 7.11 FLAMMABILITY (EN 149:2001 + A1:2009 clause 8.6)

Test Method: Described in Clause 8.6

REQUIREMENT	RESULTS	COMMENT
The material used shall not present a danger for the wearer and shall not be of highly flammable nature. When tested, the particle filtering half mask shall not burn or not to continue to burn a after removal from the flame.	Pass	Detail refer to Annex IV

# Annex IV-Test Result: The test results obtained are given in the tables as follows:

No. of Sample	Condition	Visual inspection	Requirements in accordance with EN 149:2001+A1:2009	Assessment of Test Result Conformity / Nonconformity	
45		0,4 s	Filtering half mask	Passed	
46	As received	0,3 €	shall not burn or not	Filtering half masks fulfil	
21	Temperature	0,5 s	continue to burn for møre than 5 s after	requirements of the standard EN 149:2001 +	
22	conditioned	0,7 s	removal from the flame	A1:2009 given in 7.11	

Lab B

# 7.12 CARBON DIOXIDE CONTENT OF THE INHALATION AIR (EN 149/2001 + A1:2009 clause 8.7)

Test Method: Described in Clause 8.7

REQUIREMENT	RESULTS	COMMENT
The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1.0 % (by volume)	Pass	Detail refer to Annex V

#### Annex V-Test Result: The test results obtained are given in the tables as follows:

No. of Sample	Condition	CO <sub>2</sub> content of the inhalation air [%] by volume	An average CO <sub>2</sub> content of the inhalation air [%] by volume	Requirements in accordance with EN 149:2001+A1:2009	Assessment of Test Result Conformity / Nonconformity
26	As received	0,69		CO2 content of the	Passed
27		0,72	0,68	inhalation air shall not exceed an	Filtering half masks fulfil requirements of the
28		0,64		average of 1,0% by volume	standard EN 149:2001 + A1:2009 given in 7.12

Lab B





### 7.13 HEAD HARNESS (EN 149:2001 + A1:2009 clause 8.4, 8.5)

Test Method: Described in Clause 8.4, 8.5

REQUIREMENT	RESULTS	COMMENT
The head harness shall be designed so that the particle filtering half-mask can be donned and removed easily.	Pass	No problem with the head harness reported by the wearers during the practical performance test.
The head harness shall be adjustable or self-adjusting and shall be sufficiently robust to hold the particle filtering half mask firmly in position and capable of maintaining total inward leakage requirements for the device	Pass	No problem with the head harness reported by the wearers during the practical performance test.

Lab B

# 7.14 FIELD OF VISION (EN 149:2001 + A1:2009 clause 8.4)

Test Method: Described in Clause 8.4

REQUIREMENT	RESULTS	COMMENT
The field of vision is acceptable if determined so in practical performance tests.	Pass	There were no adverse comments following practical performance tests.

Lab B

# 7.15 EXHALATION VALVE (EN 149:2001 + A1:2009 grause 8.2, 8.3.4, 8.8, 8.9.1)

Test Method: Clause 8.2, 8.3.4, 8.8, 8.9.1

REQUIREMENT	RESULTS	COMMENT
A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.	N/A	No exhalation valve in tested samples.
If an exhalation valve is provided it shall be protected against or be resistant to dirt and mechanical damage and may be shrouded or may include any other device that may be necessary for the particle filtering half mask to comply with 7.9	N/A	No exhalation valve in tested samples.
Exhalation valve(s), if fitted, shall continue to operate correctly after a continuous exhalation flow of 300 l/min over a period of 30s.	N/A	No exhalation valve in tested samples.
When the exhalation valve housing is attached to the face blank, it shall withstand axially a tensile force of 10N applied for 10s.	N/A	No exhalation valve in tested samples.

Lab -





## 7.16 BREATHING RESISTANCE (EN 149:200 R#A f: 2009 chise 8.9)

Test Method: Described in Clause 8.9

	REQU	IREMENT	RESULTS	COMMENT	
Classification	Max per	mitted resistance	e (mbar)		Classified as FFP2
	Inhalation		Exhalation		
	30 l/min	95 l/min	160 l/min	Pass	Detail refer to Annex VIA-VIB
FFP1	0.6	2.1	3.0	11.0000000	
FFP2	0.7	2.4	3.0		
FFP3	1.0	3.0	3.0		

Annex VIA-Test Result:

The test results obtained are given in the tables as follows;

	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA		
Inha	dation	Darie	

No. of	Condition	Inhalation Resistance (mbar)					
Sample		Now rate 30 Units [mbar]	Requirements in accordance with EN 149:2001+A1:2009	Flow rate 95 l/min [mbar]	Requirements in accordance with EN 149:2001+A1:2009	Assessment of Test Result Conformity / Nonconformity	
42		0,56		1,85	FFP1 $\leq$ 2,10 FFP2 $\leq$ 2,40 FFP3 $\leq$ 3,00	Passed Qualifies FFP1,FFP2 ,FFP3	
43	As received  Simulated wearing treatment	0,54	$ P  \le 0.60$ $ P  \le 0.60$ $ P  \le 0.70$ $ P  \le 0.70$	1,76			
44		0,55		1,96			
7		0,54		1,92			
8		0,57		1,85			
9		0,55		1,77			
23	Temperature conditioned	0,50		1,96			
24		0,55		1,91			
25	conditioned	0,55		1,88			

#### **Exhalation Resistance**

No. of Sample	Condition	Flow	Facing directly	Facing vertically upwards	Facing vertically downwards	Lying on the left side	Lying on the right side	Requirements in accordance with EN 149:2001+A1:2009	Assessment of Test Result Conformity / Nonconformity
42			2,41	2,62	2,57	2,63	2,78	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
43	As received Simulated wearing treatment		2,78	2,61	2,74	2,77	2,42	(0)	
44			2,69	2,79	2,63	2,58	2,69	FFPT (3.)	Passed
7		1	2,67	2,44	2,54	2,72	2,61	THE STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P	Oualifies
8		1601/min	2,75	2,49	2,68	2,79	2,56	FFP2 ≤ 3.0	FFP1, FFP2,
9		0.0000000000000000000000000000000000000	2,55	2,44	2,66	2,56	2,77	Control Actions	FFP3
23	Temperature conditioned	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	2,61	2,44	2,68	2,43	2,70	FFP3 ≤ 3,0	110111111111111111111111111111111111111
24			2,44	2,42	2,44	2,73	2,76		
25			2,79	2,67	2,42	2,58	2,51		

Lab A





#### 7.17 CLOGGING (EN 149:2001 + A1:2009 clause 8.9, 8.16) A T I O N

Test Method: Described in Clause 8.8, 8.10

REQUIREMENT	RESULTS	COMMENT
Valved particle filtering half masks: After clogging the inhalation resistances shall not exceed: FFP1:4mbar, FFP2:5mbar, FFP3:7mbar at 95L/min continuous flow. The exhalation resistance shall not exceed 3mbar at 160L/min continuous flow. Valveless particle filtering half masks: After clogging the inhalation resistances shall not exceed: FFP1:3mbar, FFP2:4mbar, FFP3:5mbar at 95L/min continuous flow	NAs	This is optional test and not desired by client.

Lab -

## 7.18 DEMOUNTABLE PARTS (EN 149:2001 + A1:2009 clause 8.2)

Test Method: Described in Clause 8.2

REQUIREMENT	RESULTS	COMMENT	
All demountable parts (if fitted) shall be readily connected and secured, where possible by hand	N/A	No demountable part.	

Lab -

Pass	Requirement satisfied.	
NCR	Requirement not satisfied. Refer to the "Result details" section for more information.	
NAs	Assessment not carried out.	
N/A	Requirement not applicable.	

#### LABORATORY INFORMATION

Code	Laboratory Name	Competency Explanations
Lab A	UNIVERSAL SERTIFIKASYON VE GOZETIM HIZMETLERI TIC. LTD. STI.	Internal Laboratory Services of Notified Body
Lab B	GCNTR ULUSLARARASI BELGELENDIRME, GOZETIM, EGITIM VE DIS TICARET LIMITED SIRKETI KOCAELI DILOVA SUBESI	Laboratory holds an accreditation by Turkish Accreditation Agency with number AB-1252-T according to EN ISO/IEC 17025:2017.

- The laboratories are contracted bodies with UNIVERSAL CERTIFICATION and the technical competence
  of the laboratories is also under supervision / assessment of UNIVERSAL CERTIFICATION based on the
  provisions of EN ISO/IEC 17065 Requirements for bodies certifying products, processes and services
  standard.
- Each test result given in this test report shown with the issuing laboratory code.





# Sample Photo



- End of Report -



