

**CONFORMITY TO TYPE BASED ON INTERNAL PRODUCTION CONTROL PLUS SUPERVISED  
PRODUCT CHECKS AT RANDOM INTERVALS (MODULE C2)**

**MODÜL C2 - ÜRETİMİN DÂHİLÎ KONTROLÜ VE ÜRÜNÜN RASTGELE  
ARALIKLARLA DENETİMLİ MUAYENESİNE DAYALI TİPE UYGUNLUK**

<b>Belge No / Certificate No</b>	: 220-21-01-R02-02
<b>Belgelendirme Tarihi - Bir Sonraki Belge Tarihi / Certification Date / Certificate Validity Date</b>	: 07.06.2022-07.06.2023
<b>Belge Geçerlilik Tarihi / Document Validity Period</b>	: 1 yıl / 1 year
<b>Firma Unvanı ve Adresi / Company Name and Address</b>	: SEGA GRUP TEKSTİL SAN. TİC. LTD. ŞTİ. Çakmaklı Mah. Hadımköy yolu cad. No:137/1 Büyükkçekmece-İSTANBUL
<b>Marka / Model / Brand / Model</b>	: SEGA-P2
<b>Direktifi / Directive</b>	: 2016/425 REGULATION
<b>Modülü/Kategori / Module / Category</b>	: C2 MODÜLÜ/ KATEGORİ III MODULE C2 / CATEGORY III
<b>Teknik Değerlendirme Rapor No/ Technical Evaluation Report No</b>	: MNA 220-21-01-R02-02
<b>Ürün Tipi / Product Type:</b>	
- EN 149:2001+ A1:2009 Solunumla ilgili koruyucu cihazlar - Parçacıklara karşı koruma amaçlı filtrelili yarım maskeler/ Respiratory protective devices - Filtering half masks to protect against particles	

**Ürünün Malzeme Bilgisi / Product Material Information:** SEGA-P2 model ürünleri kumaş, elastik kayış, burun klipsi ve filtre katmanı kullanılarak imal edilmiştir./ SEGA-P2 model products are manufactured using fabric, elastic strap, nose clip, filter layer.

**Erhan ÜSTÜNEL**

07.06.2022

**Karar Verici / Approver**



**Okan AKEL**

07.06.2022

**Şirket Müdürü / General manager**



Notified Body Number: 2841

Report No : 220-21-01-R02-02

Report Date : 26.05.2022

Application No : 220-21-01-R02-02

**1. COMPANY INFORMATION:**

SEGA GRUP TEKSTİL SAN. TİC. LTD. ŞTİ.

Çakmaklı Mah. Hadımköy yolu cad. No:137/1 Büyükçekmece-İSTANBUL

**2. PPE INFORMATION:**

Disposable and non-sterile half mask made of particulate protection filter material.

**3. PPE TYPE IDENTIFICATION**

EN 149:2001+A1:2009 Respiratory protective devices – Filtering half masks to protect against particles - Requirements, testing, marking

**4. PPE PICTURES**



SEGA-P2

**5. PPE DIMENSIONS:**

SEGA-P2 model has been found to be produced using standard size.

**6. PPE PRODUCT MATERIAL INFORMATION:**

The mask is made of elastic strap, nonwoven fabric on the outer and inner layers and filter material on the middle layer.

**7. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS**

- A visual inspection was made according to EN 149:2001 +A1:2009 for ergonomics.
- Protection levels and degrees are defined by the manufacturer.
- Suitable construction materials were determined by visual inspection according to EN 149:2001 +A1:2009.

**8. ANALYSIS EVALUATION AND MARKING:**

EN 149:2001 +A1:2009

TESTS	PARAMETER	PERFORMANCE LEVELS			RESULTS	PERFORMANCE LEVELS	EVALUATION
		FFP1	FFP2	FFP3			

**CONFORMITY TO TYPE BASED ON INTERNAL  
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**(MODULE C2, ANNEX VII) (220-21-01-R02-02)**

Part 7.3 Visual inspection	Shall also the marking and the information supplied by the manufacturer	Appropriate	-	PASS
Banned Azo Dyes	< 30 mg/kg	< 5 mg/ kg	-	PASS
Part 7.4 Packaging	Particle filtering half mask shall be offered for sale packaged in such a way that they are protected against mechanical damage and contamination before use.	Appropriate	-	PASS
Part 7.5 Material	When conditioned in accordance 8.3.1 & 8.3.2 the particle filter half mask shall not collapse.	Appropriate	-	PASS
Part 7.6 Cleaning and disinfecting	After cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration requirement of the relevant class.	Not applicable	-	Not applicable
Part 7.7 Practical performance	No negative comments should be made by the test subject regarding any of the criteria evaluated.	Appropriate	-	PASS
Part 7.8 Finish of parts	Parts of the device likely to come into contact with the wearer shall have no sharp edge or burrs.	Appropriate	-	PASS

TESTS	PARAMETER	PERFORMANCE LEVELS			RESULTS	PERFORMANCE LEVELS	EVALUATION
		FFP1	FFP2	FFP3			
Part 7.9.1 Total inward leakage	At least 46 out of the 50 individual exercise result	≤25	≤11	≤5	See the table below	FFP2	PASS
	At least 8 out of the 10 individual wearer arithmetic means	≤22	≤8	≤2	See the table below	FFP2	PASS

Total Inward Leakage (%)						
	Exercise 1	Exercise 2	Exercise 3	Exercise 4	Exercise 5	Average
Subject 1 (As received)	5,1	7,0	6,8	7,6	6,2	6,5
Subject 2 (As received)	6,9	6,4	7,4	9,4	7,4	7,5
Subject 3 (As received)	6,6	6,1	7,2	10,1	8,1	7,6
Subject 4 (As received)	7,7	8,1	6,0	9,5	9,7	8,2
Subject 5 (As received)	7,9	5,1	7,2	9,4	7,4	7,4
Subject 6 (After temperature conditioning)	7,3	7,7	4,9	9,9	9,1	7,8
Subject 7 (After temperature conditioning)	7,5	8,3	7,1	7,3	9,4	7,9
Subject 8 (After temperature conditioning)	6,8	7,1	8,3	7,2	8,1	7,5

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**(MODULE C2, ANNEX VII) (220-21-01-R02-02)**

Subject 9 (After temperature conditioning)	6,7	6,9	6,8	7,3	8,7	7,3
Subject 10 (After temperature conditioning)	7,5	6,7	6,5	8,8	6,8	7,3

**Subject facial dimensions**

Subject	Face Length (mm)	Face Width (mm)	Face Depth (mm)	Mouth Width (mm)
1	120	145	105	61
2	128	155	112	68
3	110	128	105	55
4	123	140	133	57
5	116	128	99	58
6	120	130	91	56
7	138	151	119	65
8	110	130	96	55
9	120	131	85	58
10	135	142	125	83

TESTS	PARAMETER	PERFORMANCE LEVELS			RESULTS	PERFORMANCE LEVELS	EVALUATION
		FFP1	FFP2	FFP3			
Part 7.9.2 Penetration of filter material	Sodium chloride, 95 L/min % , max	% 20	% 6	% 1	See the table below	FFP2	PASS
	Paraffin oil, 95 L/min % , max	% 20	% 6	% 1	See the table below	FFP2	PASS

Penetration of filter material	Sodium Chloride (%)	Paraffin Oil (%)
As received	3,2	3,7
As received	3,1	3,9
As received	3,1	3,9
After the simulated wearing treatment	3,5	3,4
After the simulated wearing treatment	3,0	3,0
After the simulated wearing treatment	3,3	3,4
Mechanical strength and temperature conditioning (120mg)	5,1	5,5
Mechanical strength and temperature conditioning (120mg)	5,3	5,8
Mechanical strength and temperature conditioning (120mg)	5,1	5,8

TESTS	PARAMETER	PERFORMANCE LEVELS			RESULTS	PERFORMANCE LEVELS	EVALUATION
		FFP1	FFP2	FFP3			
Part 7.10 Compatibility with skin	Materials shall not be known to be likely to cause irritation or any other adverse effect to health				Appropriate	-	PASS
Part 7.11 Flammability	Mask shall not burn or not to continue to burn for more than 5 s				Flame not seen	-	PASS
Part 7.12	Shall not exceed an average of % 1				0,74 0,70	-	PASS

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Carbondioxide content of the inhalation air		0,77		
Part 7.13 Head harness	It can be donned and removed easily	Appropriate	-	PASS
Part 7.14 Field of vision	The field of vision shall acceptable in practical performance test.	Appropriate	-	PASS
Part 7.15 Exhalation valve(s)	It shall withstand axially a tensile force of 10 N apply for 10 s. If fitted, shall continue to operate correctly after a continuous exhalation flow of 300 L/min over a period of 30 s.	Not applicable	-	Not applicable

TESTS	PARAMETER	PERFORMANCE LEVELS			RESULTS	PERFORMANCE LEVELS	EVALUATION
		FFP1	FFP2	FFP3			
Part 7.16 Breathing Resistance	Inhalation 30L/min	0,6 mbar	0,7 mbar	1,0 mbar	See the table below	FFP2	PASS
	Inhalation 95L/min	2,1 mbar	2,4 mbar	3,0 mbar	See the table below	FFP2	PASS
	Exhalation 160L/min	3,0 mbar	3,0 mbar	3,0 mbar	See the table below	FFP2	PASS

Breathing Resistance (mbar)	Inhalation 30L/min	Inhalation 95L/min
As received	0,6	1,8
As received	0,5	1,7
As received	0,5	1,7
After temperature conditioning	0,5	1,7
After temperature conditioning	0,6	1,8
After temperature conditioning	0,6	1,8
After the simulated wearing treatment	0,6	1,7
After the simulated wearing treatment	0,5	1,7
After the simulated wearing treatment	0,5	1,7

Breathing Resistance 160L/min (mbar)	Facing directly ahead	Facing vertically upwards	Facing vertically downwards	Lying on the left side	Lying on the right side
As received	2,9	2,9	2,8	2,8	2,8
As received	2,8	2,8	2,8	2,8	2,9
As received	2,9	2,9	2,9	2,9	2,9
After temperature conditioning	2,9	2,8	2,9	2,8	2,8
After temperature conditioning	2,8	2,8	2,8	2,8	2,8
After temperature conditioning	2,9	2,9	2,9	2,9	2,8
After the simulated wearing treatment	2,9	2,8	2,8	2,8	2,9
After the simulated wearing treatment	2,9	2,9	2,9	2,9	2,9
After the simulated wearing treatment	2,8	2,8	2,8	2,8	2,8

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TESTS	PARAMETER	PERFORMANCE LEVELS			RESULTS	PERFORMANCE LEVELS	EVALUATION
		FFP1	FFP2	FFP3			
Part 7.17 Clogging	After clogging the inhalation resistances shall not exceed. (valved)	4 mbar	5 mbar	7 mbar	Not applicable	-	Not applicable
	The exhalation resistance shall not exceed 3 mbar at 160 L/ min continuous flow. (valved)				Not applicable	-	Not applicable
	After clogging the inhalation and exhalation resistances shall not exceed. (valveless)	3 mbar	4 mbar	5 mbar	Not applicable	-	Not applicable
Part 7.18 Demountable part	All demountable parts (if fitted) shall be readily connected and secured were possible by hand.				Not applicable	-	Not applicable
Part 9 Marking	The packaging information shall be clearly and durably marked on the smallest commercially available packaging or legible through it if the packaging is transparent.				Appropriate	-	PASS

**9. DECISION**

Analysis and examinations SEGA-P2 model coded personal protective equipment; Respiratory Protective Devices EN 149:2001 +A1:2009- Filtered Half Masks for Protection Against Particles - Properties, Experiments and Marking standards are evaluated. The homogeneity of the production was monitored at the performance levels determined as a result of the technical evaluations made within the scope of MODULE C2.

**10. ATTACHMENTS**

- Basic Health Safety Requirements
- Risk Assessment
- Test Reports (M-2022-0345, M-2022-0346)
- User Instruction

CONTROLLER : ERHAN ÜSTÜNEL

SIGNATURE :

DATE : 07.06.2022



## MNA LABORATORY ANALYSIS REPORT

Report Nu. : M-2022-0345	Date : 2022-05-26 13:11:41	Page : 1 / 5	Rev:
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Purpose of Analysis	: Special request
Sample Send Org.	: Sega Grup Tekstil Sanayi ve Ticaret Limited Şirketi
Address	: Çakmaklı mah. Hadımköy Yolu Cad. No: 137/1 Büyükçekmece İstanbul
Sample Acceptance Date	: 2022-04-07 11:42:38
Analysis Date	: 2022-04-07 14:33:47
Sample Quantity	: 80 Pieces
Sample Description	: SEGA-P2
Other informations	:

### Flammability

Tests	Analysis result	Limit Value	Method	Evaluation	Physical Condition
Flammability	Flame not seen.	Shall not burn for more than 5 sec after removal from the flame	EN 13274-4	PASS(FFP2)	-

### Penetration Of Filter Material

Tests	Analysis result	Limit Value	Method	Evaluation	Physical Condition
Penetration Of Filter Material	Check the table for results.	FFP1 $\leq$ 20 FFP2 $\leq$ 6 FFP3 $\leq$ 1	EN 149+A1 Part 8.11, EN 13274-7	PASS(FFP2)	-

	Sodium Chloride (%)	Paraffin Oil (%)
As received 1	3,2	3,7
As received 2	3,1	3,9
As received 3	3,1	3,9
After the simulated wearing treatment 1	3,5	3,4
After the simulated wearing treatment 2	3,0	3,0
After the simulated wearing treatment 3	3,3	3,4
Mechanical strength and temperature conditioning (120 mg) 1	5,1	5,5
Mechanical strength and temperature conditioning (120 mg) 2	5,3	5,8
Mechanical strength and temperature conditioning (120 mg) 3	5,1	5,8

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### Carbon Dioxide Content Of The Inhalation Air

Tests	Analysis result	Limit Value	Method	Evaluation	Physical Condition
Carbon Dioxide Content Of The Inhalation Air	Check the table for results.	Maximum %1	EN 149+A1 Part 8.7	PASS(FFP2)	-

	CO2 (%)
Sample 1	0,74
Sample 2	0,70
Sample 3	0,77

### Breathing Resistance

Tests	Analysis result	Limit Value	Method	Evaluation	Physical Condition
Breathing Resistance	Check the table for results.	Check the table for limits	EN 149+A1 Part 8.9	PASS(FFP2)	-

Classification	30 L/min max basınç (mbar)	95 L/min max basınç (mbar)	160 L/min max basınç (mbar)
FFP1	0,6	2,1	3,0
FFP2	0,7	2,4	3,0
FFP3	1,0	3,0	3,0

Inhalation	30 L/min	95 L/min
As received 1	0,6	1,8
As received 2	0,5	1,7
As received 3	0,5	1,7
After temperature conditioning 1	0,5	1,7
After temperature conditioning 2	0,6	1,8
After temperature conditioning 3	0,6	1,8
After the simulated wearing treatment 1	0,6	1,7
After the simulated wearing treatment 2	0,5	1,7
After the simulated wearing treatment 3	0,5	1,7
After the flow conditioning 1	-	-



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After the flow conditioning 2	-	-	
After the flow conditioning 3	-	-	

Exhalation 160L/min	Facing directly ahead	Facing vertically upwards	Facing vertically downwards	Lying on the left side	Lying on the right side
As received 1	2,9	2,9	2,8	2,8	2,8
As received 2	2,8	2,8	2,8	2,8	2,9
As received 3	2,9	2,9	2,9	2,9	2,9
After temperature conditioning 1	2,9	2,8	2,9	2,8	2,8
After temperature conditioning 2	2,8	2,8	2,8	2,8	2,8
After temperature conditioning 3	2,9	2,9	2,9	2,9	2,9
After the simulated wearing treatment 1	2,8	2,8	2,8	2,8	2,8
After the simulated wearing treatment 2	2,9	2,9	2,9	2,9	2,9
After the simulated wearing treatment 3	2,8	2,8	2,8	2,8	2,8
After the flow conditioning 1	-	-	-	-	-
After the flow conditioning 2	-	-	-	-	-
After the flow conditioning 3	-	-	-	-	-

### Total Inward Leakage

Tests	Analysis result	Limit Value	Method	Evaluation	Physical Condition
Total Inward Leakage	Check the table for results.	Check the table for limits	EN 149+A1 Part 8.5	PASS(FFP2)	-

	At least 46 out of the 50 individual exercise result shall be not greater than	At least 8 out of the 10 individual wearer arithmetic means shall be not greater than
FFP1	≤25	≤22
FFP2	≤11	≤8
FFP3	≤5	≤2

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	Exercise 1	Exercise 2	Exercise 3	Exercise 4	Exercise 5	Average
Subject 1 (As received)	5,1	7,0	6,8	7,6	6,2	6,5
Subject 2 (As received)	6,9	6,4	7,4	9,4	7,4	7,5
Subject 3 (As received)	6,6	6,1	7,2	10,1	8,1	7,6
Subject 4 (As received)	7,7	8,1	6,0	9,5	9,7	8,2
Subject 5 (As received)	7,9	5,1	7,2	9,4	7,4	7,4
Subject 6 (After temperature conditioning)	7,3	7,7	4,9	9,9	9,1	7,8
Subject 7 (After temperature conditioning)	7,5	8,3	7,1	7,3	9,4	7,9
Subject 8 (After temperature conditioning)	6,8	7,1	8,3	7,2	8,1	7,5
Subject 9 (After temperature conditioning)	6,7	6,9	6,8	7,3	8,7	7,3
Subject 10 (After temperature conditioning)	7,5	6,7	6,5	8,8	6,8	7,3

## MNA LABORATORY ANALYSIS REPORT

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Operating as a test laboratory, MNA Laboratories is accredited by TÜRKAK according to AB-1183-T and TS\_EN\_ISO/IEC\_17025:2017 standards has been done. A multilateral agreement with the European Accreditation Association (EA) on the recognition of the Turkish Accreditation Agency (TÜRKAK) test reports and It has signed a mutual recognition agreement with the International Laboratory Accreditation Association (ILAC).

\*The analysis is within the scope of accreditation.

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3. Unsigned and Unsealed reports are invalid.
4. This analysis report cannot be used in judicial-administrative proceedings and for advertising purposes.
5. Results are valid for the sample received.
6. A decision rule is a rule that determines how measurement uncertainty is to be taken into account when specifying compliance with a specified specification. TLM-052 Decision Rule According to the implementation instruction, the decision rule chosen in agreement with the customer will be applied if necessary.
7. Limit Values are determined by taking from analysis methods.
8. The laboratory is not responsible if the information provided by the CUSTOMER affects the validity of the results.
9. Test and / or measurement results, expanded measurement uncertainties (if any) and test methods are given in the following pages, which are the supplementary part of this certificate.
10. Water Repellency Determination Hydrostatic Pressure Determination T S ISO 811 (Hydrostatic Pressure Tester E / N: 53) Analysis, Seam Strength EN ISO 13965-2 (Strength Test Device E / N: 50) Analysis and resistance to liquid chemical permeation TS EN 659 -A1 Part 3.18 (Liquid Chemical Transfer Device E / N: 107) Analysis is carried out in the conditioning room and ISO 139 PART 3.2 conditions ( $23 \pm 2$  ° C temperature and  $50 \pm 4\%$  relative humidity) are applied for ambient conditions.

Selin Gergin

Numune Kabul ve Raporlama Sorumlusu

2022-05-26 10:59:56

Erhan Üstünel

Laboratuvar Sorumlusu

2022-05-26 10:54:02



VOLKAN AKIN  
Laboratuvar Müdürü  
2022-05-26 10:35:02



## MNA LABORATORY ANALYSIS REPORT

AB-1183-T

M-2022-0346

05-22

Report Nu. : M-2022-0346	Date : 2022-05-26 13:11:53	Page : 1 / 3	Rev:
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Purpose of Analysis	: Special request
Sample Send Org.	: Sega Grup Tekstil Sanayi ve Ticaret Limited Şirketi
Address	: Çakmaklı mah. Hadımköy Yolu Cad. No: 137/1 Büyükçekmece İstanbul
Sample Acceptance Date	: 2022-04-07 11:43:46
Analysis Date	: 2022-04-07 14:33:40
Sample Quantity	: 80 Pieces
Sample Description	: SEGA-P2
Other informations	:

### Banned Azo Dyes \*

Tests	Analysis result	Limit Value	Method	Evaluation	Physical Condition
Banned Azo Dyes	Check the table for results.	< 30 mg/kg	EN ISO 14362-1 / EN ISO 17234-1	PASS	-

CAS No	Substances
92-67-1	4-aminobiphenyl
92-87-5	Benzidine
95-69-2	4-chloro-o-toluidine
91-59-8	2-naphthylamine
97-56-3	o-aminoazotoluene
99-55-8	5-nitro-o-toluidine
106-47-8	4-chloroaniline
615-05-4	2,4-diaminoanisole
101-77-9	4,4-methylenedianiline
91-94-1	3,3-dichlorobenzidine
119-90-4	3,3-dimethoxybenzidine
119-93-7	3,3-dimethylbenzidine
838-88-0	4,4-methylenediotoluidine
120-71-8	p-cresidine
101-14-4	2,2-dichloro-4,4-methylene-dianiline
101-80-4	4,4-oxydianiline
139-65-1	4,4-thiodianiline
95-53-4	o-toluidine
95-80-7	2,4-diaminotoluene

**MNA LABORATORY  
ANALYSIS REPORT**

AB-1183-T

M-2022-0346

05-22

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137-17-7	2,4,5-trimethylaniline		
90-04-0	o-anisidine		
60-09-3	4-aminoazobenzene		

Part of Sample	Results(mg/kg)
Color1	<5
	-

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4. This analysis report cannot be used in judicial-administrative proceedings and for advertising purposes.
5. Results are valid for the sample received.
6. A decision rule is a rule that determines how measurement uncertainty is to be taken into account when specifying compliance with a specified specification. TLM-052 Decision Rule According to the implementation instruction, the decision rule chosen in agreement with the customer will be applied if necessary.
7. Limit Values are determined by taking from analysis methods.
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10. Water Repellency Determination Hydrostatic Pressure Determination T S ISO 811 (Hydrostatic Pressure Tester E / N: 53) Analysis, Seam Strength EN ISO 13965-2 (Strength Test Device E / N: 50) Analysis and resistance to liquid chemical permeation TS EN 659 -A1 Part 3.18 (Liquid Chemical Transfer Device E / N: 107) Analysis is carried out in the conditioning room and ISO 139 PART 3.2 conditions ( $23 \pm 2$  ° C temperature and  $50 \pm 4\%$  relative humidity) are applied for ambient conditions.

Selin Gergin

Numune Kabul ve Raporlama Sorumlusu

2022-05-26 11:00:13

Erhan Üstünel

Laboratuvar Sorumlusu

2022-05-26 10:54:22



VOLKAN AKIN  
Laboratuvar Müdürü  
2022-05-26 10:35:30



# AB Tip İnceleme Sertifikası EU Type-Examination Certificate

**Belge No / Certificate No** : 220-21-01-R02  
**Belgelendirme Tarihi - Bir Sonraki Belge Tarihi /  
Certification Date / Certificate Validity Date** : 18.11.2021-14.04.2026  
**Belge Geçerlilik Tarihi / Document Validity Period** : 5 yıl / 5 years  
**Firma Unvanı ve Adresi /  
Company Name and Address** : SEGA GRUP TEKSTİL SAN. TİC. LTD. ŞTİ.  
Çakmaklı Mah. Hadımköy yolu cad. No:137/1  
Büyükcçekmece-İSTANBUL  
**Ürün Adı /Modeller / Product Name / Models** : SEGA-P2  
**Direktifi / Directive** : 2016/425 REGULATION  
**Modülü/Kategori / Module / Category** : B MODÜLÜ/ KATEGORİ III  
MODULE B / CATEGORY III  
**Teknik Değerlendirme Rapor No/  
Technical Evaluation Report No** : 220-21-01-R02

**Ürün Tipi / Product Type:**  
- EN 149:2001+ A1:2009 Solunumla ilgili koruyucu cihazlar - Parçacıklara karşı koruma amaçlı filtreli yarım maskeler/ Respiratory protective devices - Filtering half masks to protect against particles

**Ürünün Malzeme Bilgisi / Product Material Information:** SEGA-P2 model ürünleri kumaş, elastik kayış, burun klipsi, filtre katmanı kullanılarak imal edilmiştir./ : SEGA-P2 products are manufactured using fabric, elastic strap, nose clip, filter layer.

**Revizyon nedeni/ Reason for revision:** Ürün adı revize edildi. / Product name has been revised.

**Volkan AKIN**  
18.11.2021  
Karar Verici / Approver

**Okan AKEL**  
18.11.2021  
Şirket Müdürü / General manager



MNA Laboratuvarları San. Tic.Ltd .Şti  
Adres: Küçükbakkalköy Mahallesi Yenidoğan Cad.No:21 Ataşehir/ İstanbul  
Tel: 0216 574 07 08 Faks: 0216 575 13 31 [www.mnalab.com](http://www.mnalab.com)







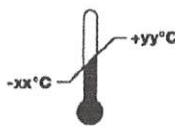

**ATTACHMENTS (220-21-01-R01)**

To certify the PPE product at Category III level, C2 or D module is accompanied by applying one of the conformity assessment methods along with the EU Type Examination (Module B).

**Model : SEGA-P2**

PPE SPECIFICATION	PERFORMANCE LEVELS
Classification	FFP2
Reusable / Single Shift Use	NR

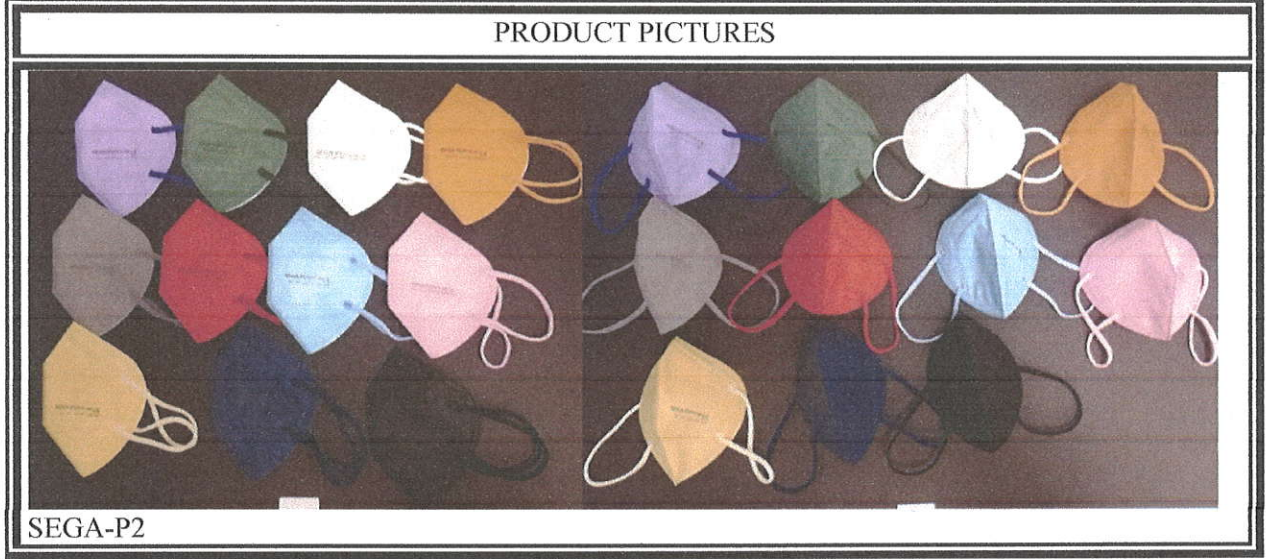
PPE produced as a single unit to fit an individual user, all the necessary instructions for manufacturing such PPE on the basis of the approved basic model:

MARKING					
<b>MANUFACTURER:</b> SEGA GRUP TEKSTİL SAN. TİC. LTD. ŞTİ.					
<b>PPE TYPE:</b>					
- EN 149:2001+ A1:2009 Respiratory protective devices - Filtering half masks to protect against particles					
<b>MODEL:</b> SEGA-P2					
<b>PRODUCT SIZE:</b> Standard and Small					
<b>PICTOGRAM AND PERFORMANCE LEVELS:</b>					
EN 149:2001+ A1:2009 FFP2 NR					
					
NB 2841		Or Condition of Storage			

MNA LABORATORIES SAN. TIC. LTD. ŞTİ declares that the above-mentioned product meets the requirements of the directive according to the EU Directive 2016/425, the safety of the product is covered by the conditions and use specified in this certificate and in the technical file.



**ATTACHMENTS (220-21-01-R01)**



**DOCUMENTS IN THE TECHNICAL FILE**

- Basic Health Safety Requirements
- Risk Assessment
- Test Reports
- Technical Report

**Report No** : 220-21-01-R02

**Report Date** : 18.11.2021

**Application No** : 220-21-01-R02

**1. COMPANY INFORMATION:**

SEGA GRUP TEKSTİL SAN. TİC. LTD. ŞTİ.

Çakmaklı Mah. Hadımköy yolu cad. No:137/1 Büyükçekmece-İSTANBUL

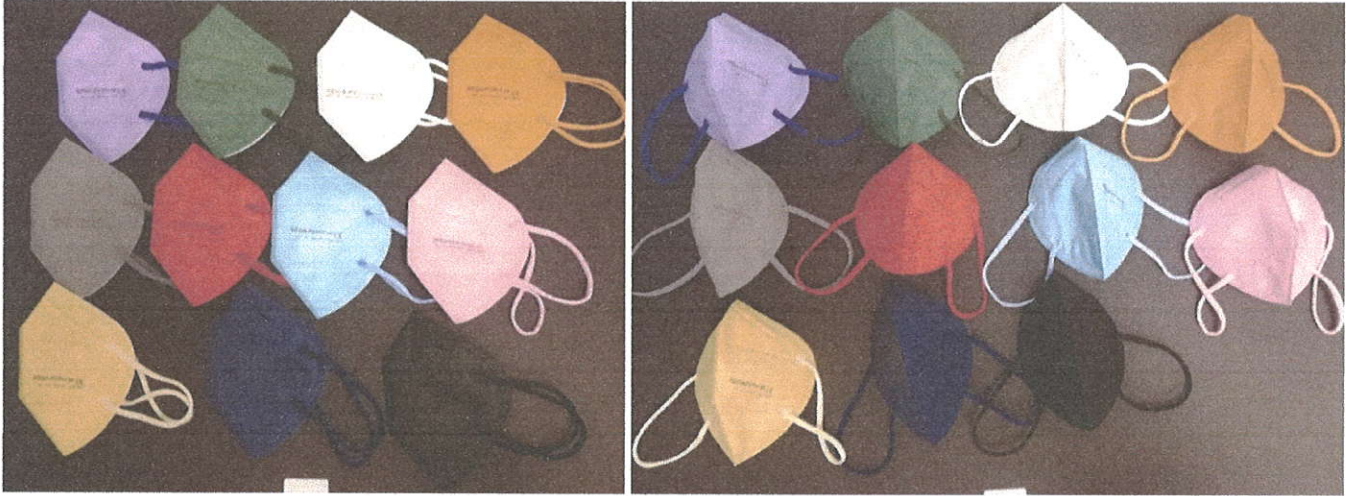
**2. PPE INFORMATION:**

Disposable and non-sterile half mask made of particulate protection filter material.

**3. PPE TYPE IDENTIFICATION**

EN 149:2001+A1:2009 Respiratory protective devices – Filtering half masks to protect against particles - Requirements, testing, marking

**4. PPE PICTURES**



SEGA-P2

**5. PPE DIMENSIONS:**

SEGA-P2 model has been found to be produced using standard and small size.

**6. PPE PRODUCT MATERIAL INFORMATION:**

The product is made of elastic strap, nonwoven fabric on the outer and inner layers and filter material on the middle layer.

**7. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS**

- A visual inspection was made according to EN 149:2001 +A1:2009 for ergonomics.
- Protection levels and degrees are defined by the manufacturer.
- Suitable construction materials were determined by visual inspection according to EN 149:2001 +A1:2009.

**8. ANALYSIS AND EVALUATIONS: EN 149:2001 +A1:2009**

TESTS	PARAMETER	PERFORMANCE LEVELS			RESULTS	PERFORMANCE LEVELS	EVALUATION
		FFP1	FFP2	FFP3			
Part 7.3 Visual inspection	Shall also the marking and the information supplied by the manufacturer				Appropriate	-	PASS
Banned Azo Dyes	< 30 mg/kg				< 5 mg/kg	-	PASS
Part 7.4 Packaging	Particle filtering half mask shall be offered for sale packaged in such a way that they are protected against mechanical damage and contamination before use.				Appropriate	-	PASS
Part 7.5 Material	When conditioned in accordance 8.3.1 & 8.3.2 the particle filter half mask shall not collapse.				Appropriate	-	PASS
Part 7.6 Cleaning and disinfecting	After cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration requirement of the relevant class.				Not applicable	-	Not applicable
Part 7.7 Practical performance	No negative comments should be made by the test subject regarding any of the criteria evaluated.				Appropriate	-	PASS
Part 7.8 Finish of parts	Parts of the device likely to come into contact with the wearer shall have no sharp edge or burrs.				Appropriate	-	PASS

TESTS	PARAMETER	PERFORMANCE LEVELS			RESULTS	PERFORMANCE LEVELS	EVALUATION
		FFP1	FFP2	FFP3			
Part 7.9.1 Total inward leakage	At least 46 out of the 50 individual exercise result	<25	<11	<5	See the table below	FFP2	PASS
	At least 8 out of the 10 individual wearer arithmetic means	<22	<8	<2	See the table below	FFP2	PASS

Total Inward Leakage (%)						
	Exercise 1	Exercise 2	Exercise 3	Exercise 4	Exercise 5	Average
Subject 1 (As recieved)	6.6	6.8	6.6	6.4	7.0	6.7
Subject 2 (As recieved)	7.8	6.7	7.0	6.4	6.8	6.9
Subject 3 (As recieved)	6.8	6.9	6.6	7.4	7.1	7.0
Subject 4 (As recieved)	6.8	7.0	7.8	7.1	6.6	7.1
Subject 5 (As recieved)	7.6	6.6	6.8	6.4	6.9	6.9
Subject 6 (After temperature conditioning)	7.5	7.9	7.3	6.8	6.8	7.3
Subject 7 (After temperature conditioning)	7.0	6.8	6.5	6.9	6.8	6.8

Subject 8 (After temperature conditioning)	7.4	6.8	7.7	6.3	6.2	6.9
Subject 9 (After temperature conditioning)	7.8	6.9	7.2	6.4	6.9	7.0
Subject 10 (After temperature conditioning)	7.0	6.9	7.0	6.5	7.0	6.9

TESTS	PARAMETER	PERFORMANCE LEVELS			RESULTS	PERFORMANCE LEVELS	EVALUATION
		FFP1	FFP2	FFP3			
Part 7.9.2 Penetration of filter material	Sodium chloride, 95 L/min %, max	% 20	% 6	% 1	See the table below	FFP2	PASS
	Paraffin oil, 95 L/min %, max	% 20	% 6	% 1	See the table below	FFP2	PASS

Penetration of filter material	Sodium Chloride (%)	Paraffin Oil (%)
As recieved	3.6	4.0
As recieved	3.5	4.1
As recieved	3.5	4.0
After the simulated wearing treatment	3.6	4.5
After the simulated wearing treatment	3.6	4.6
After the simulated wearing treatment	3.5	4.6
Mechanical strength and temperature conditioning	4.9	5.1
Mechanical strength and temperature conditioning	5.0	5.4
Mechanical strength and temperature conditioning	5.2	5.3

TESTS	PARAMETER	PERFORMANCE LEVELS			RESULTS	PERFORMANCE LEVELS	EVALUATION
		FFP1	FFP2	FFP3			
Part 7.10 Compatibility with skin	Materials shall not be known to be likely to cause irritation or any other adverse effect to health				Appropriate	-	PASS
Part 7.11 Flammibility	Mask shall not burn or not to continue to burn for more than 5 s				Flame not seen	-	PASS
Part 7.12 Carbondioxide content of the inhalation air	Shall not exceed an average of % 1				0,76 0,79 0,78	-	PASS
Part 7.13 Head harness	It can be donned and removed easily				Appropriate	-	PASS
Part 7.14 Field of vision	The field of vision shall acceptable in practical performance test.				Appropriate	-	PASS
Part 7.15 Exhalation valve(s)	It shall withstand axially a tensile force of 10 N apply for 10 s. If fitted, shall continue to operate correctly after a continuous exhalation flow of 300 L/min over a period of 30 s.				Not applicable	-	Not applicable

TESTS	PARAMETER	PERFORMANCE LEVELS			RESULTS	PERFORMANCE LEVELS	EVALUATION
		FFP1	FFP2	FFP3			
Part 7.16 Breathing Resistance	Inhalation 30L/min	0,6 mbar	0,7 mbar	1,0 mbar	See the table below	FFP2	PASS
	Inhalation 95L/min	2,1 mbar	2,4 mbar	3,0 mbar	See the table below	FFP2	PASS
	Exhalation 160L/min	3,0 mbar	3,0 mbar	3,0 mbar	See the table below	FFP2	PASS

Breathing Resistance (mbar)	Inhalation 30L/min	Inhalation 95L/min
As recieved	0.5	2,1
As recieved	0.5	2,0
As recieved	0.5	2,1
After temperature conditioning	0.5	2,0
After temperature conditioning	0.5	2,0
After temperature conditioning	0.5	2,1
After the simulated wearing treatment	0.5	2,0
After the simulated wearing treatment	0.6	2,1
After the simulated wearing treatment	0.6	2,1
After the flow conditioning	-	-
After the flow conditioning	-	-
After the flow conditioning	-	-

Breathing Resistance 160L/min (mbar)	Facing directly ahead	Facing vertically upwards	Facing vertically downwards	Lying on the left side	Lying on the right side
As recieved	2,7	2,6	2,7	2,7	2,6
As recieved	2,6	2,7	2,6	2,7	2,7
As recieved	2,6	2,7	2,7	2,7	2,6
After temperature conditioning	2,6	2,7	2,6	2,7	2,6
After temperature conditioning	2,7	2,7	2,7	2,7	2,7
After temperature conditioning	2,7	2,7	2,6	2,7	2,7
After the simulated wearing treatment	2,7	2,7	2,7	2,7	2,7
After the simulated wearing treatment	2,7	2,7	2,7	2,7	2,7
After the simulated wearing treatment	2,7	2,6	2,7	2,6	2,6
After the flow conditioning	-	-	-	-	-
After the flow conditioning	-	-	-	-	-
After the flow conditioning	-	-	-	-	-

TESTS	PARAMETER	PERFORMANCE LEVELS			RESULTS	PERFORMANCE LEVELS	EVALUATION
		FFP1	FFP2	FFP3			
Part 7.17 Clogging	After clogging the inhalation resistances shall not exceed. (valved)	4 mbar	5 mbar	7 mbar	Not applicable	-	Not applicable
	The exhalation resistance shall not exceed 3 mbar at 160 L/ min continuous flow. (valved)				Not applicable	-	Not applicable
	After clogging the inhalation and exhalation resistances shall not exceed. (valveless)	3 mbar	4 mbar	5 mbar	Not applicable	-	Not applicable
Part 7.18 Demountable part	All demountable parts (if fitted) shall be readily connected and secured were possible by hand.				Not applicable	-	Not applicable

## 9. DECISION

Analysis and examinations SEGA-P2 model coded personal protective equipment; Respiratory Protective Devices EN 149:2001 +A1:2009- Filtered Half Masks for Protection Against Particles - Properties, Experiments and Marking standards are evaluated. It is recommended to be certified at the performance levels specified as a result of technical evaluations.

## 10. ATTACHMENTS

- Basic Health Safety Requirements
- Risk Assessment
- User Instruction
- Test Reports (M-2021-00569)

Reason for Revision : Product name has been revised.

CONTROLLER : VOLKAN AKIN

SIGNATURE :

DATE : 18.11.2021



# EU DICHIARAZIONE DI CONFORMITÀ

La presente Dichiarazione di Conformità è rilasciata sotto la responsabilità esclusiva del fabbricante: SEGA GRUP TEKSTIL SAN. TIC. LTD. STI.

<b>PRODUTTORE:</b>	<b>SEGA GRUP TEKSTIK SAN. TIC. LTD. STI.</b> Cakmakli Mah. Hadimköy yolu cad. No: 137/1 Büyükçekmece, Istanbul Turkey
<b>IMPORTATORE:</b>	<b>T-TEX SRL - Via Boggia 9 ,28013 Gattico (NO) - ITALY</b>
<b>MARCHIO:</b>	<b>SEGA</b>
<b>CLASSIFICAZIONE:</b>	<b>Semimaschera Filtrante, III Categoria, FFP2 NR</b>
<b>MODELLO:</b>	<b>SEGA-P2</b>
<b>STANDARD ARMONIZZATI RISPETTATI:</b>	<b>EN149:2001+A1:2009 Respiratory Protective Device Filtering Half Masks to Protect against particles Requirements, Testing, Marking</b>
<b>LEGISLAZIONE UE:</b>	<b>Regolamento (EU) 2016/425</b>
<b>NUMERO DEL CERTIFICATO:</b>	<b>2841</b>
<b>ENTE NOTIFICATO:</b>	<b>MNA LABORATUVARLARI SANAYI TICARET LIMITED ŞİRKETİ</b> <b>KüçükbakkalköyMah. Yenidoğan Cad. No: 21</b> <b>Ataşehir/ISTANBUL</b> <b>Country : Turkey</b>

Module B EU Type Examination Certification

Certificato N.:220-21-01-R02

Questo Certificato è valido dal 18/11/2021 fino al 14/04/2026

Module C2 Conformity to type based on Production Monitoring

Certificato N.:220-21-01-R02-02

Questo Certificato è valido dal 07/06/2022 fino al 07/06/2023

Questa Dichiarazione è valida fino al 02/11/2026

FIRMATA A NOME E PER CONTO DI:

LUOGO E DATA DI EMISSIONE: ISTANBUL, 02/11/2021

FIRMA: GOKCEN MUKAN

NOME E MANSIONE: DIRETTORE GENERALE

NOME DELL'AZIENDA: SEGA GRUP TEKSTIL SAN. TIC. LTD. STI.



A handwritten signature in blue ink, appearing to be 'Gokcen Mukan', is written over a faint blue circular stamp or logo.