

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

Belge No / Certificate No : 57091116

Belgelendirme Tarihi - Bir Sonraki Belge Tarihi /

Certification Date / Certificate Validity Date : 27.11.2023-27.11.2024

Belge Geçerlilik Tarihi / Document Validity Period : 1 yıl / 1 year

Firma Unvanı ve Adresi /

Company Name and Address : PHARMAPLAST S.A.E

Address-1: Amria free zone 23512, Alexandria Egypt.

Address-2: Part number 2, block 7, third industrial zone, Borg el Arab, Alexandria, Egypt. Address-3: KRE LTD, "Pharmaplast group", Industrial Area, 2830Katunsi, Sandanski, Bulgaria.

Marka / Model / Brand / Model : FC-F2H

Direktifi / Directive : 2016/425 REGULATION

Modülü/Kategori / Module / Category : C2 MODÜLÜ/ KATEGORİ III

MODULE C2 / CATEGORY III

Teknik Değerlendirme Rapor No/

Technical Evaluation Report No : 57091116

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*: FC-F2H model ürünleri kumaş, elastik kayış, burun klipsi ve filtre katmanı kullanılarak imal edilmiştir./ FC-F2H model products are manufactured using fabric, elastic strap, nose clip, filter layer.

Karar Verici / Approver 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



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CONFORMITY TO TYPE BASED ON INTERNAL PRODUCTION CONTROL PLUS SUPERVISED PRODUCT CHECK AT RANDOM INTERVALS Notified Body Number: 2841 (MODULE C2, ANNEX VII) (57091116)

Report No : 57091116

Report Date : 27.11.2023

Application No : 57091116

1. COMPANY INFORMATION:

PHARMAPLAST S.A.E

Address-1: Amria free zone 23512, Alexandria Egypt.

Address-2: Part number 2, block 7, third industrial zone, Borg el Arab, Alexandria, Egypt. Address-3: KRE LTD, "Pharmaplast group", Industrial Area, 2830Katunsi, Sandanski, Bulgaria.

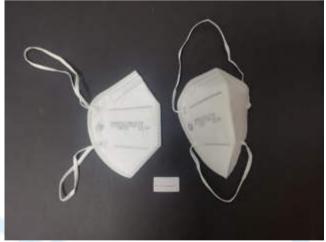
2. PPE INFORMATION:

Disposable and non-sterile half mask made of particulate protection fitler 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



FC-F2H

5. PPE DIMENSIONS:

FC-F2H 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 fitler 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.

Notified Body Number: 2841

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8. ANALYSIS EVALUATION AND MARKING:

EN 149:2001 +A1:2009

PARAMETER	PERFORMANCE		CE	RESULTS	PERFORMANC	EVALUATIO
	LEVELS	6			E LEVELS	N
	FFP1	FFP2	FFP3			
Shall also the marking	g and th	e infor	mation	Appropriate	-	PASS
supplied by the manu	facturer					
< 30 mg/kg				Not applicable	-	Not
						applicable
Particle filtering half	mask sh	all be o	offered	Appropriate	-	PASS
for sale packaged in su	ıch a wa	y that tl	ney are			
		I dama	ge and			
				Appropriate	-	PASS
·	er half r	nask sh	all not			
· · · · · · · · · · · · · · · · · · ·				N 12 1 1		
~	-	-		Not applicable	-	Not
•			-			applicable
•	ient or	the re	elevalit			
	ts shoul	d he m	ade by	Annronriate		PASS
•			•	Арргорпасе		1 A33
• •	anig ani	or the	circoria			
	likely :	to com	e into	Appropriate	-	PASS
	-					
	Shall also the marking supplied by the manu < 30 mg/kg Particle filtering half for sale packaged in supprotected against mecontamination before When conditioned in 8.3.2 the particle filterial collapse. After cleaning and disparticle filtering half penetration requirem class. No negative commenthe test subject regard evaluated. Parts of the device	Shall also the marking and the supplied by the manufacturer < 30 mg/kg Particle filtering half mask she for sale packaged in such a wale protected against mechanical contamination before use. When conditioned in accord 8.3.2 the particle filter half recollapse. After cleaning and disinfecting particle filtering half mask she penetration requirement of class. No negative comments should the test subject regarding any evaluated. Parts of the device likely contact with the wearer shall.	Shall also the marking and the infor supplied by the manufacturer < 30 mg/kg Particle filtering half mask shall be of for sale packaged in such a way that the protected against mechanical dama contamination before use. When conditioned in accordance 88.3.2 the particle filter half mask should be marked filtering half mask shall sati penetration requirement of the reclass. No negative comments should be mather test subject regarding any of the evaluated. Parts of the device likely to comments to the recontact with the wearer shall have not contact with the second contact with the second contact with the second contact with the wearer shall have not contact with the second contact with the wearer shall have not contact with the second contact with the wearer shall have not contact with the wearer shall have not contact with the wearer shall have not contact with the wearer shall have not contact with the wearer shall have not contact with the wearer shall have not contact with the wearer shall have not contact with the wearer shall have not contact with the wearer shall have not contact with the wearer shall have not contact with the wearer shall have not contact with the wearer shall have not contact with the wearer shall have not contact with the wearer shall have not contact with the wearer shall have not contact with the wearer shall have not contact with the wearer shall be of the protection of the contact with the wearer shall be of the contact with the wearer shall be of the protection of the contact with the wearer shall be of the protection of the contact with the wearer shall be of the protection of the contact with the wearer shall be of the protection of the contact with the wearer shall be of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of th	Shall also the marking and the information supplied by the manufacturer < 30 mg/kg 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. When conditioned in accordance 8.3.1 & 8.3.2 the particle filter half mask shall not collapse. After cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration requirement of the relevant class. No negative comments should be made by the test subject regarding any of the criteria evaluated. Parts of the device likely to come into contact with the wearer shall have no sharp	Shall also the marking and the information supplied by the manufacturer < 30 mg/kg 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. When conditioned in accordance 8.3.1 & Appropriate 8.3.2 the particle filter half mask shall not collapse. After cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration requirement of the relevant class. No negative comments should be made by the test subject regarding any of the criteria evaluated. Parts of the device likely to come into Appropriate	LEVELS FFP1 FFP2 FFP3 FFP3 FFP3 FFP3 FFP3 FFP3 FFP3 FFP3 FFP3 FFP3 FFP3 FFP3 FFP3 FFP3 Appropriate -

TESTS	PARAMETER	PERFORMANCE LEVELS		RESULTS	PERFORMANCE LEVELS		
		FFP1	FFP2	FFP3			
Part 7.9.1	At least 46 out of	≤25	≤11	≤5	See the table	FFP2	PASS
Total inward	the 50 individual				below		
leakage	exercise result						
	At least 8 out of the	≤22	≤8	≤2	See the table	FFP2	PASS
	10 individual wearer	16.7			below		
	arithmetic means						

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

PRODUCTION CONTROL PLUS SUPERVISED PRODUCT CHECK AT DANICOM

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

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

Penetration of filter material	Sodium Chloride (%)	Paraffin Oil (%)
As received	0,8	1,0
As received	0,9	0,8
As received	0,7	0,9
After the simulated wearing treatment	0,6	0,9
After the simulated wearing treatment	0,9	0,9
After the simulated wearing treatment	0,8	1,0
Mechanical strength and temperature conditioning (120mg)	4,0	4,1
Mechanical strength and temperature conditioning (120mg)	4,1	4,3
Mechanical strength and temperature conditioning (120mg)	4,2	4,3

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CONFORMITY TO TYPE BASED ON INTERNAL PRODUCTION CONTROL PLUS SUPERVISED PRODUCT CHECK AT RANDOM INTERVALS

Notified Body Number: 2841 (MODULE C2, ANNEX VII) (57091116)

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TESTS	PARAMETER	PERFO	RMAN	CE	RESULTS	PERFORMANCE	EVALUATION
		LEVELS	5			LEVELS	
		FFP1	FFP2	FFP3			
Part 7.10	Materials shall not b	e knowi	n to be	likely to	Appropriate	-	PASS
Compatibility	cause irritation or any	other a	dverse	effect to			
with skin	health						
Part 7.11	Mask shall not burn o	r not to	continu	e to burn	Flame not	-	PASS
Flammibility	for more than 5 s				seen		
Part 7.12	Shall not exceed an av	verage c	of % 1		0,55	-	PASS
Carbondioxide					0,50		
content of the					0,52		
inhalation air							
Part 7.13	It can be donned and	remove	d easily	,	Appropriate	-	PASS
Head harness							
Part 7.14	The field of vision sha	II accept	table in	practical	Appropriate	-	PASS
Field of vision	performance test.						
Part 7.15	It shall withstand axia	ally a te	nsile fo	rce of 10	Not applicable	-	Not
Exhalation	N apply for 10 s.						applicable
valve(s)	If fitted, shall contin		•	•			
	after a continuous		on flow	of 300			
	L/min over a period o	f 30 s.					

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

Breathing Resistance (mbar)	Inhalation 30L/min	Inhalation 95L/min
As received	0,5	1,7
As received	0,4	1,6
As received	0,5	1,6
After temperature conditioning	0,5	1,6
After temperature conditioning	0,5	1,6
After temperature conditioning	0,5	1,7
After the simulated wearing treatment	0,4	1,6
After the simulated wearing treatment	0,4	1,6
After the simulated wearing treatment	0,4	1,7

Breathing Resistance 160L/min (mbar)	Facing	Facing	Facing	Lying on the	Lying on the
	directly	vertically	vertically	left side	right side
	ahead	upwards	downwards		

PRODUCTION CONTROL PLUS SUPERVISED PRODUCT CHECK AT DANDOM WITTER CHECK AT D **CONFORMITY TO TYPE BASED ON INTERNAL**

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Totalica body mainborn bola	,		, ,	•	
As received	2,8	2,8	2,7	2,7	2,8
As received	2,8	2,7	2,8	2,7	2,8
As received	2,8	2,8	2,7	2,7	2,7
After temperature conditioning	2,8	2,7	2,8	2,7	2,8
After temperature conditioning	2,7	2,8	2,7	2,8	2,8
After temperature conditioning	2,8	2,7	2,7	2,7	2,8
After the simulated wearing treatment	2,7	2,7	2,7	2,8	2,7
After the simulated wearing treatment	2,8	2,7	2,7	2,7	2,7
After the simulated wearing treatment	2,7	2,7	2,7	2,8	2,7

TESTS	PARAMETER	PERFORMANCE		RESULTS	PERFORMANCE	EVALUATION	
		LEVEL	S			LEVELS	
		FFP1	FFP2	FFP3			
Part 7.17	After clogging the	4	5	7	Not applicable	-	Not applicable
Clogging	inhalation	mba	mba	mbar			
	resistances shall	r	r				
	not exceed.						
	(valved)						
	The exhalation resist	ance sh	all not	exceed	Not applicable	-	Not applicable
	3 mbar at 160 L/ i	min cor	ntinuou	s flow.			
	(valved)						
	After clogging the	3	4	5	Not applicable	-	Not applicable
	inhalation and	mba	mba	mbar			
	exhalation	r	r				
	resistances shall						
	not exceed.						
	(valveless)						
Part 7.18	All demountable pa	-	-		Not applicable	-	Not applicable
Demountable	readily connected	and s	ecured	were			
part	possible by hand.						BACC
Part 9	The packaging information shall be clearly			-	Appropriate	-	PASS
Marking	and durably marked on the smallest						
	•	commercially available packaging or legible through it if the packaging is					
	transparent.	ii tiie	раска	sing is			
L	transparent.						

9. ATTACHMENTS

• Test Reports (M-2023-0574)

CONTROLLER

SIGNATURE

DATE



Report Nu. : M-2023-0574 Date : 2023-11-07 13:42:12 Page : 1 / 6 Rev:

Purpose of Analysis : Special request

Sample Send Org. : Pharmaplast SAE

Address : Amria Free Zone, 23512, Akexandria, Egypt

Sample Acceptance Date : 2023-09-20 08:15:24

Analysis Date : 2023-09-20 13:40:49

Sample Quantity : 120 Pieces

Sample Description : Pharmaplast FC-F2H

Other informations :

Tests	Method	Expected performance level	Evaluation
Penetration Of Filter Material	EN 149+A1 Part 8.11, EN 13274-7	-	PASS (FFP2)
Flammability	EN 13274-4	-	PASS
Breathing Resistance	EN 149+A1 Part 8.9	-	PASS (FFP2)
Carbon Dioxide Content Of The Inhalation Air	EN 149+A1 Part 8.7	-	PASS
Total Inward Leakage	EN 149+A1 Part 8.5	-	PASS (FFP2)

Penetration Of Filter Material

Device:Filter Test System

Measurement uncertainty: ±0,080

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

	Sodium Chloride (%)	Paraffin Oil (%)
As received 1	0,8	1,0
As received 2	0,9	0,8
As received 3	0,7	0,9
After the simulated wearing treatment 1	0,6	0,9
After the simulated wearing treatment 2	0,9	0,9
After the simulated wearing treatment 3	0,8	1,0
Mechanical strength and temperature conditioning (120 mg) 1	4,0	4,1



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Mechanical strength and temperature conditioning (120 mg) 2		4,1		4,3	
Mechanical strength and temperature conditioning (120 mg) 3		4,2		4,3	

Flammability

Device: Flammability tester

Measurement uncertainty:-

Tests	Analysis result	Limit Value	Method	Evaluation	Physical Condition
Flammability	No flame seen.	Shall not burn for more than 5 sec after removal from the flame	EN 13274-4	PASS	-

Breathing Resistance

Device:Breathing Resistance Tester

Measurement uncertainty: Inhalation 30L/min:±0,160,Inhalation30 L/min:±0,026 Exhalation 160 L/min:0,046

Tests	Analysis result		Limit Value	Method	Evalu	ation	Physical Condition
Breathing Resistance	Check the table.		See the limits table.	EN 149+A1 Part 8.9	PASS (FFP2)		-
Classification 30 L/min ma		30 L/min ma	x basınç (mbar)	95 L/min max basınç (mbar)		160 L/min max basınç (mbar)	

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	0,5	1,7
As received 2	0,4	1,6
As received 3	0,5	1,6
After temperature conditioning 1	0,5	1,6
After temperature conditioning 2	0,5	1,6
After temperature conditioning 3	0,5	1,7
After the simulated wearing treatment 1	0,4	1,6



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After the simulated wearing treatment 2		0,4		1,6		
After the simulated wearing treatment	After the simulated wearing treatment 3		0,4		1,7	
After the flow conditioning 1		-		-		
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	2,8	2,8	2,7	2,7	2,8	
As received 2	2,8	2,7	2,8	2,7	2,8	
As received 3	2,8	2,8	2,7	2,7	2,7	
After temperature conditioning 1	2,8	2,7	2,8	2,7	2,8	
After temperature conditioning 2	2,7	2,8	2,7	2,8	2,8	
After temperature conditioning 3	2,8	2,7	2,7	2,7	2,8	
After the simulated wearing treatment 1	2,7	2,7	2,7	2,8	2,7	
After the simulated wearing treatment 2	2,8	2,7	2,7	2,7	2,7	
After the simulated wearing treatment 3	2,7	2,7	2,7	2,8	2,7	
After the flow conditioning 1	-	-	-	-	-	
After the flow conditioning 2	-	-	-	-	-	
After the flow conditioning 3						

Carbon Dioxide Content Of The Inhalation Air

Device:Carbon DioxideTester

Measurement uncertainty:±0,072

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



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		CO2 (%)		
Sample 1		0,55		
Sample 2		0,50		
Sample 3		0,52		

Total Inward Leakage

Device: Total Inward Leakage Tester Measurement uncertainty:±0,090

Tests	Analysis result	Limit Value	Method	Evaluation	Physical Condition
Total Inward Leakage	Check the table.	See the limits table.	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		

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



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Subject 10 (After temperature conditioning)	5,1	4,7	5,1		3,9	5,2		4,8



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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.

- 1. No part of this analysis report may be used alone or separately and may be partially copied or reproduced without the written permission of the laboratory. It cannot be reproduced, used by third parties or as a means of advertising.
- 2. Analysis results are valid for the sample sent and analyzed by the company/institution/individual to MNA Laboratories. represent the whole may not.
- 3. Unsigned and Unsealed reports are invalid.
- 4. This analysis report cannot be used in judicial-administrative proceedings or for advertising purposes.
- 5. Results are valid for the sample received.
- 6. The decision rule is the rule that determines how measurement uncertainty is taken into account when specifying compliance with an established specification. The customer may choose to apply and/or not apply the decision rule (except in cases where legislation/standards are mandatory). If the customer prefers to apply the decision rule; According to the TLM-052 Decision Rule Application instruction published on the www.mnalab.com website, the decision rule selected in agreement is applied and reported by stating the relevant analysis and decision rule method in the "Note" section. If the customer leaves the decision rule application to the laboratory's evaluation, MNA LABORATORIES applies the simple decision rule.
 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 pa ges, 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 13935-2 (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 $^{\circ}$ C temperature and 50 \pm 4% relative humidity) are applied for ambient conditions.

Selin Gerain

Sample Acceptance and Reporting Officer

2023-11-07 13:41:55

VOLKAN AKIN

Laboratory Manager

2023-11-07 13:41:24

Erhan Üstünel

Laboratory Responsible

2023-11-07 13:40:48