

EU-Baumusterprüfbescheinigung EU Type-Examination Certificate

Zertifikat Nr. / Certificate No : 105-20-01
Zertifizierungsdatum - Gültigkeitsdatum des Zertifikats/
Certification Date- Certificate Validity Date : 20.12.2020-20.12.2025
Gültigkeitsdauer des Dokuments/ Document Validity Period : 5 Jahre / 5 years
Firmenname und Adresse/
Company Name and Address

Produktname / Modelle/ Product Name / Models
Richtlinie/ Directive
Modul / Kategorie/ Module / Category

: EU 2016/425 VERORDNUNG/REGULATION
: B Modul / Kategorie III
MODULE B / CATEGORY III
: MNA M-2020-00602

Prüfbericht Nr / Test Report No
Produkttyp / Product Type:

- EN 149:2001+ A1:2009 Atemschutzgeräte. Filtrierende Halbmasken zum Schutz gegen Partikeln.
Anforderungen, Prüfung, Kennzeichnung/ Respiratory protective devices - Filtering half masks to protect
against particles

Produktmaterial Informationen / Product Material Information: Die Produkte des AKA C2 modells werden aus stoff, ohrschleufe, nasenclip und filterschicht hergestellt./ AKA C2 model products are manufactured using fabric, ear loop, nose clip, filter layer.

Volkan AKIN
04.01.2021

Genehmiger / Approver



Okan AKEL
04.01.2021

Generaldirektor / General manager

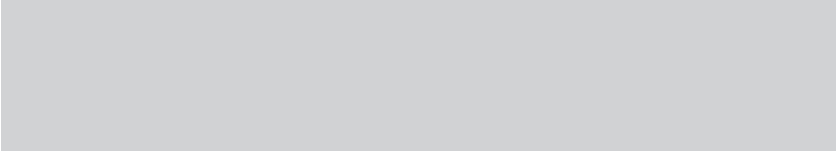


Report No : 105-20-01-01

Report Date : 04.01.2021

Application No : 105-20-01-01

1. COMPANY INFORMATION:



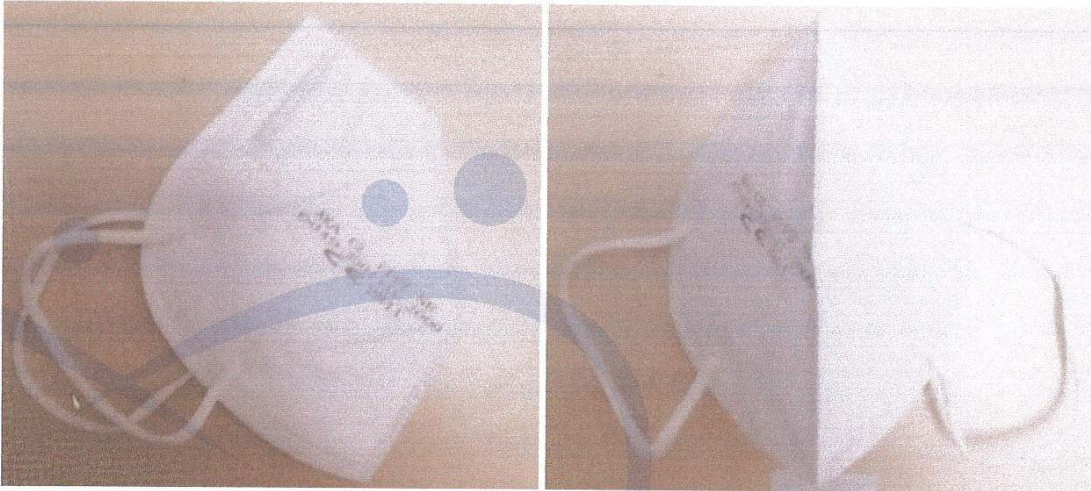
2. PPE INFORMATION:

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



AKA C2

5. PPE DIMENSIONS:

AKA C2 model has been found to be produced using standard sizes.

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.

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PRODUCTON CONTROL PLUS SUPERVISED PRODUCT
CHECK AT RANDOM INTERVALS
(MODULE C2, ANNEX VII) (105-20-01-01)**

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.
- Respiratory protective dimensions are evaluated according to EN 149:2001 +A1:2009.
- Conditioning EN 149:2001 +A1:2009 part 8.3, Penetration EN 149:2001 +A1:2009 part 8.11 (EN 13274-7), Application performance EN 149:2001 +A1:2009 part 8.4, Inward leakage EN 149:2001 +A1:2009 part 8.5, Flammability EN 149:2001 +A1:2009 part 8.6, The carbon dioxide content of the inhaled air EN 149:2001 +A1:2009 part 8.7, Inhalation resistance EN 149:2001 +A1:2009 part 8.9, Exhalation resistance EN 149:2001 +A1:2009 part 8.9 has been tested and evaluated.

8. ANALYSIS AND EVALUATIONS:

EN 149:2001 +A1:2009

TESTS	PARAMETER	PERFORMANCE LEVELS			RESULTS	PERFORMANCE LEVELS	EVALUATION
		FFP1	FFP2	FFP3			
Visual inspection	Shall also the marking and the information supplied by the manufacturer				Appropriate	-	PASS
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)	5.2	5.5	5.4	6.0	5.3	5.5
Subject 2 (As recieved)	6.0	5.9	5.3	5.4	6.1	5.7
Subject 3 (As recieved)	5.5	5.9	5.5	5.5	5.5	5.6
Subject 4 (As recieved)	5.4	5.5	5.4	6.0	6.1	5.7
Subject 5 (As recieved)	6.0	5.3	5.5	5.6	5.5	5.6
Subject 6 (After temperature conditioning)	5.5	5.5	5.4	6.0	5.4	5.6
Subject 7 (After temperature conditioning)	6.1	5.6	5.7	6.6	6.8	6.2
Subject 8 (After temperature conditioning)	6.1	5.8	6.1	5.3	5.3	5.7
Subject 9 (After temperature conditioning)	5.5	5.4	5.5	5.2	5.5	5.4
Subject 10 (After temperature conditioning)	5.6	5.5	5.3	5.4	5.4	5.4



Notified Body Number: 2841

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TESTS	PARAMETER	PERFORMANCE LEVELS			RESULTS	PERFORMANCE LEVELS	EVALUATION
		FFP1	FFP2	FFP3			
Flammibility	Mask shall not burn or not to continue to burn for more than 5 s				Flame not seen	-	PASS
Carbondioxide content of the inhalation air	Shall not exceed an average of % 1				0.60 0.67 0.63	-	PASS
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	1.9	1.8
As recieved	1.9	1.9
As recieved	2.2	2.1
After the simulated wearing treatment	2.3	2.0
After the simulated wearing treatment	2.2	2.2
After the simulated wearing treatment	2.1	2.0
Mechanical strength and temperature conditioning	1.8	2.1
Mechanical strength and temperature conditioning	1.9	1.9
Mechanical strength and temperature conditioning	2.2	1.9

TESTS	PARAMETER	PERFORMANCE LEVELS			RESULTS	PERFORMANCE LEVELS	EVALUATION
		FFP1	FFP2	FFP3			
Compatibility with skin	Materials shall not be known to be likely to cause irritation or any other adverse effect to health				Appropriate	-	PASS
Head harness	It can be donned and removed easily				Appropriate	-	PASS
Breathing Resistance	Inhalation 30L/min	0,6 mbar	0,7 mbar	1 mbar	See the table below	FFP2	PASS
	Inhalation 95L/min	2,1 mbar	2,4 mbar	3 mbar	See the table below	FFP2	PASS
	Exhalation 160L/min	3 mbar	3 mbar	3 mbar	See the table below	FFP2	PASS

Breathing Resistance (mbar)	Inhalation 30L/min	Inhalation 95L/min
As recieved	0.4	1.9
As recieved	0.4	1.8
As recieved	0.5	1.8

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After temperature conditioning	0.5	1.8
After temperature conditioning	0.4	1.9
After temperature conditioning	0.5	1.8
After the simulated wearing treatment	0.5	1.9
After the simulated wearing treatment	0.5	1.8
After the simulated wearing treatment	0.4	1.9

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	1,6	1,6	1,6	1,6	1,6
As recieved	1,7	1,6	1,6	1,6	1,6
As recieved	1,6	1,6	1,6	1,6	1,6
After temperature conditioning	1,7	1,6	1,7	1,6	1,6
After temperature conditioning	1,7	1,6	1,6	1,7	1,6
After temperature conditioning	1,7	1,6	1,6	1,6	1,6
After the simulated wearing treatment	1,7	1,7	1,7	1,6	1,6
After the simulated wearing treatment	1,6	1,6	1,7	1,7	1,7
After the simulated wearing treatment	1,6	1,6	1,6	1,6	1,6

9. DECISION PROPOSAL

Analysis and examinations AKA C2 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
- User Instruction

CONTROLLER : ERHAN ÜSTÜNEL

SING :

DATE : 04.01.2021

ANHÄNGE (105-20-01)

Zur Zertifizierung des PSA-Produkts auf Stufe III wird das Modul C2 oder D von der Anwendung einer der Konformitätsbewertungsmethoden zusammen mit der EU-Typprüfung (Modul B) begleitet.

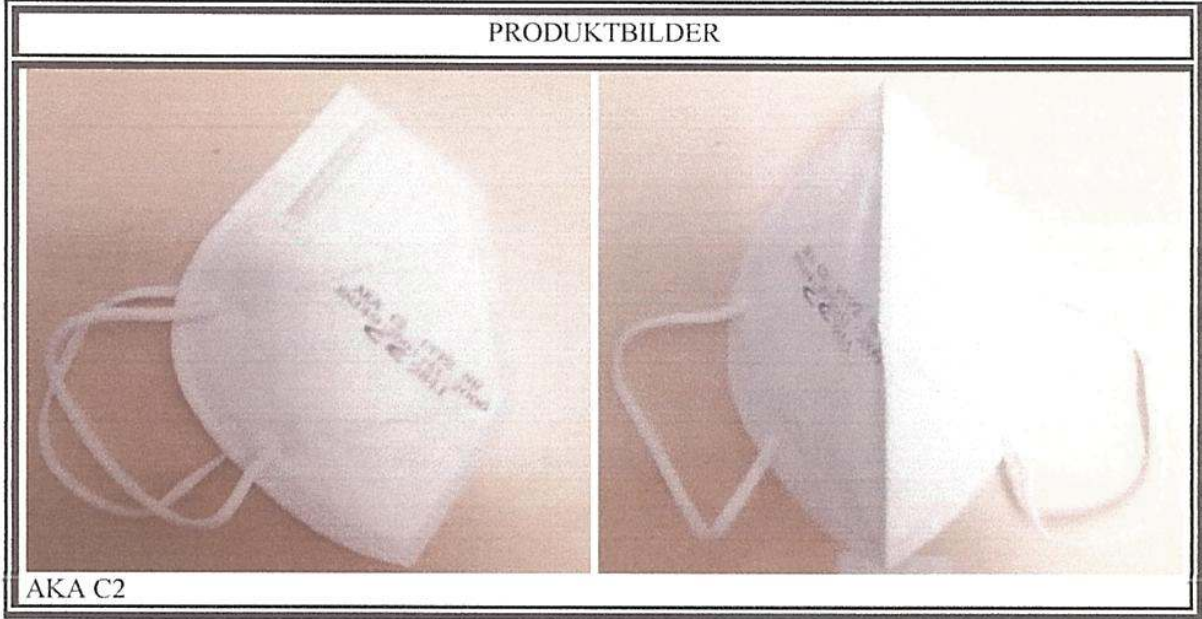
Modell : AKA C2

PSA-SPEZIFIKATION	LEISTUNGSSTUFEN
Einstufung	FFP2
Wiederverwendbare / Single-Shift-Verwendung	NR

PSA, die als einzelne Einheit für einen einzelnen Benutzer hergestellt wird, alle erforderlichen Anweisungen zur Herstellung dieser PSA auf der Grundlage des genehmigten Grundmodells:

MARKIERUNG					
HERSTELLER: [REDACTED]					
PSA TYP : - EN 149:2001+ A1:2009 Atemschutzgeräte. Filtrierende Halbmasken zum Schutz gegen Partikeln. Anforderungen, Prüfung, Kennzeichnung					
MODELL: AKA C2 PICTOGRAMM- UND LEISTUNGSSTUFEN:					
EN 149:2001+ A1:2009 FFP2 NR					
 NB 2841					
Lagerungszustand					

MNA LABORATORIES SAN. TIC. LTD. ŞTİ erklärt, dass das oben genannte Produkt die Anforderungen der Richtlinie gemäß der EU-Richtlinie 2016/425 erfüllt. Die Sicherheit des Produkts wird durch die Bedingungen und die Verwendung abgedeckt, die in diesem Zertifikat und in der technischen Datei angegeben sind.

ANHÄNGE (105-20-01)**DOKUMENTE IN DER TECHNIK**

- Grundlegende Anforderungen an die Gesundheitssicherheit
- Risikoabschätzung
- Testberichte
- Technischer Bericht