

EU TYPE EXAMINATION CERTIFICATE

Certificate No: 2163-PPE-1640

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

İBRAHİM YILDIZ TEKSTİL LTD. ŞTİ. Eskihisar Mah. Ankara Asfaltı No:313/B2 Zemin Merkezefendi / Denizli TURKEY

are tested and evaluated according to

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

Based on the type examination conducted with the evaluation of test reports, technical file according to Personal Protective Martanett 42 Dice 2004 UV42 Schex 5, it is approved that the product meets the requirements of the regulation.

Single use particle filtering half mask for protection against solid and liquid aerosols, is a folding shape, 4 layered, without valve, not of nor avoid on fabrics and melt-blown filter material, with

> Brand Name: VIROUT MASK Model: VR-02 Classification: FFP2 NR

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

- Issuing an appropriate EU Declaration of Conformity according to Personal Protective Equipment Regulation (EU) 2016/425 Annex 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 11/11/2020 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 KACMA UNIVERSAL CERTIFICATION Director





TECHNICAL ASSESSMENT REPORT

REPORT DATE / NO: 11.11.2020 / 2163-KKD-1640

Manufacturer: İBRAHİM YILDIZ TEKSTİL LTD. ŞTİ.

Address: Eskihisar Mah. Ankara Asfalti No:313/B2 Zemin Merkezefendi / Denizli TURKEY

Introduction

This report is for the, given above, manufacturer prepared according to the test results obtained from Universal Certification And Surveillance Services Trade Co., dated 06.11.2020 with Serial Id 11-2020-T0490 based on EN 149: 2001 + A1: 2009 standard and the technical file dated 01 October, 2020 Version 00 provided by the manufacturer.

The technical file of the manufacturer, and risk evaluation against the essential health safety requirements and the test report evaluated for their relation with Essential Requirements of Personel Protective Equipment Regulation and found to be appropriate.

This report is an annex and an integral part of the EU Type Examination Certificate issued to the manufacturer. The test results and issued certificate belongs only to the tested model. The technical report consists of a total of 6 pages.

Product Description: Single use particle filtering half mask for protection against solid and liquid aerosols, is a folding shape, 4 layered, without valve, made of non-woven fabrics and melt-blown **Wet week** with the first of the average of the stat

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Component and Materials:

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Component	Material	Grade
1st and 4th layers:	Spunbond Nonwoven fabrics	20 gsm (each laver)
2nd layer:	Melt blown fabric	20 gsm (each layer) HPA SK s.r.o.
3th layer:	Filter nano fabric	60 gsm

Classification: FFP2 NR Brandname: VIROUT MASK Model: VR-02



UFR-383 12.12.2018 Rev.01

UNIVERSAL SERTIFIKASYON VE GÖZETIM HIZM. TIC. LTD. ŞTI. Keyap Ticaret Merkezi, Necip Fazil Bulvar, E2 Blok, No:44/84 Y. Dudullu - Ümraniye - ISTANBUL T:+90 216 455 80 80 F:+90 216 455 80 08 info@universalcert.com



ESSENTIAL HEALTH and SAFETY REQUIREMENTS GIVEN IN EUROPEAN UNION REGULATION EU 2016/425 CORRESPONDING RISKS FOR THE PRODUCT

1.1. Design principles

1.1.1. Ergonomics

PPE must be so designed and manufactured that in the foreseeable conditions of use for which it is intended the user can perform the risk related activity normally whilst enjoying appropriate protection of the highest prossible level.

1.1.2. Levels and classes of protection

1.1.2.1. Highest level of protection possible

The optimum level of protection to be taken into account in the design is that beyond which the constraints by the wearing of the PPE would prevent its effective use during the period of exposure to the risk or normal performance of the activity.

1.1.2.2. Classes of protection appropriate to different levels of risk

Where differing foreseeable conditions of use are such that several levels of the same risk can be distinguished, appropriate classes of protection must be taken into account in the design of the PPE.

1.2. Innocuousness of PPE

1.2.1. Absence of risks and other inherent nuisance factors

PPE must be so designed and manufactured as to preclude risks and other nuisance factors under fore seeable conditions of use.

1.2.1.1. Suitable constituent materials



1.2.1.3. Maximum perm_sible user impediment

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1.3.1. Adaptation of PPE to user morpholog

PPE must be designed and manufactured in such a way as to facilitate its correct positioning on the user and to remain in place for the foreseeable period of use, bearing in and a bie state is, to actions to be can edge it of the postures to be adopted. For this purpose, it must be possible to adapt the PPE to fit the morph (against the adapt of all appropriate missions) as a propriate mission of the lequate as a stiment and machine a systems or the provision of an adequate range of sizes.

1.3.2. Lightness and design strength

PPE must be as light as possible without prejudicing design strength and efficiency.

Apart from the specific additional requirements which they must satisfy in order to provide adequate protection against the risks in question (see 3), PPE must be capable of withstanding the effects of ambient phenomena inherent under the foreseeable conditions of use

1.4. Information supplied by the manufacturer

The notes that must be drawn up by the former and supplied when PPE is placed on the market must contain all relevant information on:

- a) In addition to the name and addressof the manufacturer and/or his authorized representative established in the Community
- b) Storage, use, cleaning, maintenance, servicing and disinfection. cleaning, maintenance or disinfectant protection recommended by manufacturers must have no adverse effect on PPE or users when applied in accordance with the relevant instructions;
- c) Performance as recorded during technical tests to check the levels or classes of protection provided by the PPE in guestion;
- d) Suitable PPE accessories and the characteristics of appropriate spare parts;
- e) The classes of protection appropriate to different levels of risk and the corresponding limits of use;
- f) The obsolescence deadlineor period of obsolescence of PPEor certain of its components;
- g) The type of packaging suitable for transport;
- h) The significance of any markings(see 2.12)
- i) Where appropriate the references of the Directives applied inaccordance with Article5(6) (b);
- i) The name, address and identification number of the notified body involved in the design stage of the PPE

These notes, which must be precise and comprehensible, must be provided at least in the official language(s) of the member state of destination



d sensory perception must be minimized; nor must PPE cause

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2. ADDITIONAL REQUIREMENTS COMMON TO SEVERAL CLASSES OR TYPES OF PPE

2.1. PPE incorporating adjustment systems

If PPE incorporates adjustment systems, the latter must be designed and manufactured so that, after adjustment, they do not become undone unintentionally in the foreseeable conditions of use.

2.3. PPE for the face, eyes and respiratory system

Any restriction of the user's face, eyes, field of vision or respiratory system by the PPE shall be minimised.

The screens for those types of PPE must have a degree of optical neutrality that is compatible with the degree of precision and the duration of the activities of the user.

If necessary, such PPE must be treated or provided with means to prevent misting-up.

Models of PPE intended for users requiring sight correction must be compatible with the wearing of spectacles or contact lenses.

2.4. PPE subject to ageing

If it is known that the design performance of new PPE may be significantly affected by ageing, the month and year of manufacture and/or, if possible, the month and year of obsolescence must be indelibly and unambiguously marked on each item of PPE placed on the market and on its packaging.

If the manufacturer is unable to give an undertaking with regard to the useful life of the PPE, his instructions must provide all the information necessary to enable the purchaser or user to establish a reasonable obsolescence month and year, taking into account the quality level of the model and the effective conditions of storage, use, cleaning, servicing and maintenance.

Where appreciable and rapid deterioration in PPE performance is likely to be caused by ageing resulting from the periodic use of a cleaning process recommended by the manufacturer, the latter must, if possible, affix a marking to each item of PPE placed on the market indicating the maximum number of cleaning operations that may be carried out before the equipment needs to be inspected or discarded. Where such a marking is not affixed, the manufacturer must give that information in his instructions.

2.6. PPE for A the third exposite annospiners Just be designed by

PPE intended for use in potentially expressive annospheres stust be designed and manufactured in such a way that it cannot be the source of an electric, electrostatic or impact-induced arc or spark likely to cause an explosive mixture to ignite.

2.8. PPE for intervention invery tangerous situations

The instructions supplied by the manufacturer with PPE for intervention in very dangerous situations must include, in particular, data intended for competent, transmission of swholes and iffective interpretation and ensure their application by the user. The instructions must also describe the procedure to be adopted in order to verify that PPE is correctly adjusted and functional when worn by the user.

The instructions must also describe the procedure to be adopted in order to verify that PPE is correctly adjusted and functional when worn by the user. Where PPE incorporates an alarm which is activated in the absence of the level of protection normally provided, the alarm must be designed and placed so that it can be perceived by the user in the foreseeable conditions of use.

2.9. PPE incorporating components which can be adjusted or removed by the user

Where PPE incorporates components which can be attached, adjusted or removed by the user for replacement purposes, such components must be designed and manufactured so that they can be easily attached, adjusted and removed without tools.

2.12. PPE bearing one or more identification or recognition marks directly or indirectly relating to health and safety

The identification or recognition marks directly or indirectly relating to health and safety affixed to these types or classes of must preferably take the form of harmonized pictograms or ideograms and must rem ain perfectly legible throughout the foreseeableuseful life of the PPE. In addition, these marks must be complete, precise and comprehensible so as to prevent any misinterpretation; in particular, where such marks incorporate words or sentences, the latter must appear in the official language(s) of the Member State where the equipment is to be used.

If PPE (or a PPE component) is too small to allow al lor part of the necessary marking to be affixed, the relevant information must be mentioned on the packing and in the manufacturer's notes.

3. ADDITIONAL REQUIREMENTS SPECIFIC TO PARTICULAR RISKS

3.10.1. Respiratory protection

PPE intended for the protection of the respiratory system must make it possible to supply the user with breathable air when exposed to a polluted atmosphere and/or an atmosphere having an inadequate oxygen concentration.

The breathable air supplied to the user by PPE must be obtained by appropriate means, for example after filtration of the polluted air through PPE or by supply from an external unpolluted source.

The constituent materials and other components of those types of PPE must be chosen or designed and incorporated so as to ensure appropriate user respiration and respiratory hygiene for the period of wear concerned under the foreseeable conditions of use.

The leak-tightness of the facepiece and the pressure drop on inspiration and, in the case of the filtering devices, purification capacity must keep contaminant penetration from a polluted atmosphere low enough not to be prejudicial to the health or hygiene of the user.

The PPE must bear details of the specific characteristics of the equipment which, in conjunction with the instructions, enable a trained and qualified user to employ the PPE correctly.

In the case of filtering equipment, the manufacturer's instructions must also indicate the time limit for the storage of new filters kept in their original packaging.





Technical Assessment of EN 149: 2001 + A1: 2009 Standard and other Standards it refers to, Clauses Corresponding to the (EU) 2016/425 Directive

			149:2001 + A1:2009 Standa	ru Requirements			
	Classification: Particle	Filtering Half Ma	ask				
Article			he test results and technical file provi	ded by the manufacturer is classified	96'		
5				ded by the manufacturer is classified	43,		
,			Inward Leakage: Classified as FFP2				
	Mask is classified for si				and have to serve the		
Article			are packaged to protect them from				
7.4			ign and the product is considered to	withstand the foreseeable condition	ns of use based on the visual		
7.4	inspection results given	in the test report.					
	Material: Materials us	ed in particle filter	ring half masks, according to the sime	ulated wearing treatment and temper	ature conditioning results; It is		
	understood it withstand	s handling and we	ar over the period for which the partie	ele filtering half mask is designed to	be used, it suffered mechanical		
1	failure of the facepiece	or straps, any m	aterial from the filter media released	d by the air flow through the filter	has not constitute a hazard or		
Article			er declares that the materials used in				
7.5	health and safety of use						
			not collapse when subject to simula	ted wearing and temarature conditio	ning. No nuisance situation is		
			tests by human subjects.				
Article	annone and the state of the state of the state of the state of the state of the state of the state of the state	and the second second second second second second second second second second second second second second second	ring half mask is not designed to be	as re-usable. No cleaning or disinfect	tion procedure provided by the		
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7.7				Requirements in acco	rdance with EN		
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Article 7.9.1 Article	Total Is are Let arg The Total Inward Leal conduction of the exect temperature conditionine each excelsize are twa It was reported fort: All 50 concrease page All 10 individual's arither Penetration of filter m Condition (A.R.) (A.R.) (S.W.) (S.W.) (S.W.) (S.W.) (M.S. T.C.) (M.S. T.C.) Conditioning: (M.S.) (A.S. T.C.)	reises defined in (ng and as received Die to (p) the	the standard. The samples used in the . The face dimensions of the subjects port. maller of equal to 8%, the values varies a the reported results, the product n Chloride Testing Sodium Chloride Testing 95 L/min max (%) 0,56 0,57 0,42 0,58 0,61 0,59 0,68 0,72 0,69 gth ditioning	e test are subjected to the condition are also reported. The measurement subscreent 7, 1% as $3,8,6,6,7,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8$	i samples are taken during the ing required in the standard as details for each subject and for ion. Result Filtering half masks fulfill the requirements of the standard EN EN 149:2001 + A1:2009 given in 7.9.2 in range of the FFP1 and FFP2 classes.		
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Article 7.9.1 Article	Total Is are Let arg The Total Inward Leal conduction of the excenter excen	recises defined in (and as received the total provide the total p	the standard. The samples used in the . The face dimensions of the subjects port. maller of equal to 8%, the values varies a the reported results, the product n Chloride Testing Sodium Chloride Testing 95 L/min max (%) 0,56 0,57 0,42 0,58 0,61 0,59 0,68 0,72 0,69 eth ditioning inal	e test are subjected to the condition are also reported. The measurement subscreent 7, 1% as $3,8,6,6,7,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8$	i samples are taken durir ing required in the stand details for each subject an ion. Result Filtering half masks fulf requirements of the star EN EN 149:2001 + A1: given in 7.9.2 in range of FFP1 and FFP2 class		

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	Condi	ition	No. of Sample	Paraffin Oil Test 95 L/min max (9		irements in accordance EN 149:2001 + A1:2009	Į	Result	
	(A.	R.)	39	1,30					
	(A.	R.)	40	1,45		station is a set			
	(A.	R.)	41	1,12		FFP1 ≤ 20 %		If masks fulfill the	
	(S.)	W.)	4	1,48			requirements of the standard EN EN 149:2001 + A1:2009 given in 7.9.2 in range of the		
Irticle	(S.)	W.)	5	1,43		FFP2 ≤ 6 %			
.9.2	(S.)	W.)	6	1,50					
	(M.S.	T.C.)	13	1,56		FFP3 ≤ 1 %	FFP1 an	d FFP2 classes.	
	(M.S.	T.C.)	14	1,68					
	(M.S.	T.C.)	15	1,54					
	(A.I	 Mechanical S Temperature As Received Simulated w 	Conditioning I, original						
<i>Article</i> 7.10	Compatibility with adverse effect on he			ce report, the likeliho	od of mask ma	terials in contact with the	skin causin	g irritation or other	
	Flammability:								
	Condition	No. of Sample	10.15	sual inspection	1	ents in accordance with E 49:2001 + A1:2009	EN	Result	
Antista	(A.R.)	45	int i in comment i i i i i i i i i i i i i i i i i i i	urn for 0.0s	Filtering half mask			Passed	
Article	(A.R.)	46		urn for 0.0s		hall not burn or not	-		
7.11	ww.4b	03	P	em or 0.1s		ontinue to burn for		ing half masks fulfill	
VV	VV VV ARU	cau		m & 0.1s		nore than 5 s after noval from the flame	ree	quirements of the standard	
	Conditioning: (A.R Den Contection of the second sec								
Н	PA SK			f the inhalation air	An average CO content of the	Requirements in accorr EN 149:2001 + Al		Result	
Article	PAdSK	SS C	Ontent of [%] by	f the inhalation air	CO content			Result	
Article	PAndisK (A.R.)	NSf SSk	Ontent of [%] by 0,68	f the inhalation air volume	CO content of the		:2009		
Article	(A.R.) (A.R.) (A.R.)	NSf S500 26 27 28	0,65	f the inhalation air volume 80 57	CO content of the	EN 149:2001 + A1	alation air verage of	Passed Filtering half mask	
Article	(A.R.) (A.R.) (A.R.) (A.R.) Conditioning: (A.R.)	26 27 28 2) As Received	0.65 0,65 0,65	f the inhalation air volume 30 57 33	CO□ content of the inhalation air 0,680[%]	EN 149:2001 + A1 CO content of the inl shall not exceed an a 1,0% by volum	alation air verage of ne	Passed Filtering half mask fulfil requirements the standard	
Article 7.12 Article	(A.R.) (A.R.) (A.R.) (A.R.) Conditioning: (A.R Head harness: In F	26 27 28 C.) As Received. Practical Perform	0,68 0,66 0,65 0,65 0,65	f the inhalation air volume 30 57 33 L test reports no adver	CO content of the inhalation air 0,680[%]	EN 149:2001 + Al CO content of the inl shall not exceed an ar	alation air verage of ne	Passed Filtering half mask fulfil requirements the standard	
	(A.R.) (A.R.) (A.R.) (A.R.) (A.R.) Conditioning: (A.R Head harness: In P results of these tests	26 27 28 2.) As Received. Practical Performs indicates that t	0,68 0,66 0,65 , original nance and TII he ear loops /	f the inhalation air volume	CO content of the inhalation air 0,680[%] rse effects have able of holding	EN 149:2001 + A1 CO content of the inl shall not exceed an ar 1,0% by volum	1:2009 malation air verage of ne	Passed Filtering half mask fulfil requirements the standard ove of the mask also t	
Article 7.12 Article 7.13 Article	(A.R.) (A.R.) (A.R.) (A.R.) (A.R.) Conditioning: (A.R Head harness: In P results of these tests	NSf Splat (2) 26 27 28 C) As Received Practical Perform s indicates that t	0 0 1 2 3 by 0,68 0,66 , original mance and TII he ear loops / mance report,	f the inhalation air volume	CO content of the inhalation air 0,680[%] rse effects have able of holding	EN 149:2001 + Al CO content of the inl shall not exceed an ar 1,0% by volum	1:2009 malation air verage of ne	Passed Filtering half mask fulfil requirements the standard ove of the mask also t	
Article 7.12 Article 7.13 Article 7.14 Article	(A.R.) (A.R.) (A.R.) (A.R.) (A.R.) Conditioning: (A.R Head harness: In P results of these tests Field of vision: In P Exhalation Valve(s The model under in Breathing Resistan	26 27 28 27 28 28 28 27 28 28 28 28 28 29 28 29 28 20 28 29 28 20 29 28 29 28 29 28 29 29 29 29 29 29 29 29 29 29 29 29 29	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	f the inhalation air volume 30 57 33 L test reports no adver head harness are capa no adverse effects we	CO content of the inhalation air 0,680[%] rse effects have able of holding ere reported for	EN 149:2001 + A1 CO content of the inl shall not exceed an ar 1,0% by volur been reported for donni the mask firmly enough. the field of vision availa	2009 halation air verage of ne ng and remo	Passed Filtering half mask fulfil requirements the standard ove of the mask also the mask is weared.	
Article 7.12 Article 7.13 Article 7.14 Article	Andieska (A.R.) (A.R.) (A.R.) (A.R.) (A.R.) Conditioning: (A.R Head harness: In P results of these tests Field of vision: In P Exhalation Valve(s The model under in Breathing Resistan The overall evaluat	26 27 28 27 28 28 28 29 28 29 28 20 28 29 28 20 28 20 28 20 28 20 28 20 29 28 20 29 28 20 29 28 20 29 28 20 27 28 20 27 28 20 27 28 20 27 28 20 27 28 20 27 28 20 27 28 20 27 28 20 27 28 20 27 28 20 27 28 20 27 28 20 27 28 20 27 28 20 27 28 20 20 20 20 20 20 20 20 20 20 20 20 20	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	f the inhalation air volume 30 57 03 L test reports no adver head harness are capa no adverse effects we	CO content of the inhalation air 0,680[%] rse effects have able of holding are reported for s 3 as received	EN 149:2001 + Al CO content of the inl shall not exceed an ar 1,0% by volum	2009 halation air verage of ne ng and remo bility when	Passed Filtering half mask fulfil requirements the standard ove of the mask also the mask is weared.	



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UNIVERSAL SERTIFIKASYON VE GÖZETIM HIZM. TIC. LTD. ŞTİ. Keyap Ticaret Merkezi, Necip Fazıl Bulvan, E2 Blok, No:44/84 Y. Dudullu - Ümraniye - İSTANBUL T:+90 216 455 80 80 F:+90 216 455 80 08 info@ universalcert.com



Article 7,17	Clogging: This test is not applied to Particle Filtering Half Mask which is not reusable. (For single shift use devices, the clogging test is optional test. For re-usable devices test is mandatory.)
Article	Demountable Parts: There are no demountable parts on the product.
7.18	
Article 8	Testing: All tests conducted according to Clause 8 of this standard is available in the test report and are evaluated in this report for qualification and classification of the mask.
	Marking – Packaging: Necessary markings are available on the product package (box). The name and trademark of the manufacturer is clearly visible. The type of the mask and the classification including the status of re-usability, the reference to EN 149:2001+A1:2009 standard, the year of end of shelf life, using and storage instructions and pictograms and CE mark are available on the product package. The above evaluation is based on the technical document for packaging and marking, for box design. Verified on the Article 7 of the technical file.
Article 9	The technical documentation for mask design (drawing) also evaluated for marking requirements, drawing VR-02. The mask template (drawing) indicates that the mask will carry information about the brandname (VIROUT MASK), type of mask, the reference to EN 149+A1:2009 standard and classification including the re-usability of the mask. The manufacturer also printed CE mark with our Notified Body number. The mask do not have sub-assemblies. Even the tested samples by the laboratory do not carry necessary marking information as stated in the technical documentation, the manufacturer shall follow marking instructions for serial production. Model VR-02 drawing exists in the technical file of the manufacturer, Article 8 and 10 of the technical file.
Article 10	Information to be supplied by the manufacturer: In each of the smallest commercially available packaging of the product, implementation (installation instructions) pre-use controls, warning and usage limitations, storage and meanings of symbols / pictograms are defined. User instruction document in the technical file found to be appropriate, Article 6. The manufacturer shall include this documented user information text in every smallest commercially available package.

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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: 06.11.2020 **Report Number**: 11-2020-T0490

TEST OWNER	FORMATION WWW.4beauty.sk IBRAHIM YILDIZ TEKSTIL LTD. ŞTİ.					
ADDRESS	ESKIHISAR MAH. ANH TAPOTTE /B2 ZEMIN MERKEZEFENDI / DENIZLI					
SAMPLE DESCRIPTION	Folding type protective me PASK S.r.O.					
BRAND NAME – MODEL		ASK / VR-02			mor	
TESTING STANDARD	EN 149+A1:	:2009				
CASE NUMBER	CE-PPE-364	19				
SAMPLE RECEIVE DATE	28.10.2020	TI	ESTIN	IG START DATE	28.10.2020	
DISINFECTION INSTRUCTION If applicable	Not given, single use only					
NUMBER OF SAMPLES	50	SAMPLE	IDs:	1-46		
AS RECEIVED SAMPLE NO	26-46					
	Simulated wearing treatment Temperature conditioning		1-2-3-4-5-6-7-8-9 (As Received) 10-11-12-13-14-15 (Sample after test of Mechanical Strength)			
CONDITIONING SAMPLE NO						
			the second second second second second second second second second second second second second second second s		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 GÖZETIM HIZM. TG, LTD. STI. Necip Fazil Bulvar, Keyap Sitesi, E2 Blok, No:44/84 Yukari Dudullu-Omraniye/ISTANBUL Telefon: 0216 455 80 80 Faks: 0216 455 80 08 Sarigazi V.D. 892 025 8722 Suat KAÇMAZ Director



1. REPORT SUMMARY

TEST STANDARD	TEST NAME	RESULT	EVALUATION
EN 149:2001 +			
A1:2009 clause 8.5	Total Inward Leakage Testing	Pass	FFP2
EN 13274-1:2001			
EN 149:2001 +			
A1:2009 clause 8.11	Penetration of Filter Material	Pass	FFP2
EN 13274-7:2019			
EN 149:2001 +			
A1:2009 clause 8.6	Flammability Testing	Pass	See results
EN 13274-4:2001	www.4beauty	rsk	
EN 149:2001 +	Carbon Dioxide Content of The Impartion		
A1:2009 clause 8.7	UPA SK c r o	Pass	See results
EN 13274-6:2001	Air Testing HFA SK 5.1.0.		
EN 149:2001 +	Breathing Inhalation Resistance-30 l/min	Pass	See results
A1:2009 clause 8.9		1 455	See results
EN 13274-3:2001	Breathing Inhalation Resistance-95 l/min	Pass	See results
EN 149:2001 +			
A1:2009 clause 8.9	Exhalation Resistance, flow rate 160 l/min	Pass	See results
EN 13274-3:2001			

VNIVERSAL SERTIFIKASYON VE GÖZETIM HIZM. TIC. LTD. STI. Yukarı Dudullu-Omraniye/STANBUL Telefon: 0216 455 80 80 Faks: 0216 455 80 08 Sarıgazi V.D. 892 025 8722

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2. TEST RESULTS and EVALUATION

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 inspectic Deauty.sk Clause 8.3.1-Simulated wearing treatment

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

For testing, a saturator is incorporated in the exhalation line between the breathing machine and the dummy head, the saturator being set at a term set are in verses of 7 °C to a low for the cooling of the air before it reaches the mouth of the dummy head.

The air has been saturated at (37 ± 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 ± 1 °C.

a) for 24 h to a dry atmosphere of (70 ± 3) °C;

b) for 24 h to a temperature of (-30 ± 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 hazard 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 149:2001 + A1:2009 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: Descrie WWW.84beauty.sk

The particle filtering nant may estimate the particle filtering nant may estimate the particle filtering nant may be a strain undergo practical performance tests	RESULTS	COMMENT
The particle filtering half mass shan undergo practical performance tests under realistic conditions. These general tests cerve the purpose of checking the equipment for imparted for A at can neve determined whet 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	0 0 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

REQUIREMENT	RESULTS	COMMENT			
Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.	Pass	None of the specimens used in laboratory testing showed evidence of sharp edges or burrs while visual inspection and performance tests.			
Lab A		UNIVERSAL SERTIFIKASYON VE GÖZETIM HIZM.			
	(TIC. LTD. STI. Fazil Bulvari, Keyap Sitesi, E2 Blok, No:44/84 Ukari Dudullu-Omraniye/ISTANBUL Ukari Dudullu-Omraniye/ISTANBUL Sarigazi V.D. 892 025 8722 Page 4 / 11			



7.9.1 TOTAL INWARD LEAKAGE (EN 149:2001 + A1:2009 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

Test Subject	No of sample	Cond.	1. Walk (%)	Head side/ side (%)	Head up/down (%)	Talk (%)	2. Walk (%)	Average (%)
1	31	A.R.	7,24	7,35	7,41	7,62	7,78	7,48
2	32	MATA	w.4 b	parit	VSK	7.89	7,99	7,57
3	33	A.R.	7,28	7.61	7,68	7,79	7,88	7,64
4	34	A.R.	7.22	7,34	7.61	7,77	8,02	7.59
5	35		orte	7.67	7,49	7,84	7,98	7,66
6	16	T.C.	7.32	7.44	7.55	7.68	7.99	7,60
7	17		A	S7.7 C	7,51	7,67	7.80	7.57
8	18	r.c.	7.34	7,42	7.64	7,72	7.85	7.59
9	19	T.C.	7,69	7,56	7,92	7,86	8,07	7.82
10	20	T.C.	7.46	7,57	7,69	7,71	7,94	7.67
All 50 indi	vidual exerci	ise results were	e not greater tha	n 11 %		1,11	7,54	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 (EN 149:2001 + A1:2009 clause 8.11)

Test Method: Described in Clause 8.11

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

Annex IIIA-Test Result: The test results obtained a www.at4beauty.sk

No. of Sample		Penetration of Sodium Chloride in accordance with EN 13274- 001 LC [%] Now configuration	Requirements in accordance with EN 149:2001+A1:2009	Assessment of Test Result Conformity / Nonconformity
36 37	As received	AlowSK0.57		Passed
38	Asteenved	0,42	FFP1 ≤ 20 %	
1	Cimulated maning	0,58		Filtering half masks fulfil the
2	Simulated wearing treatment	0.61	FFP2 ≤ 6 %	requirements of the standard EN
3	treatment	0,59		149:2001+A1:2009 given in
10	Mechanical strength +	0,68	FFP3 ≤ 1 %	7.9.2 in range of the first and
11	Temperature	0.72		second protection class (FFP1, FFP2,FFP3)
12	conditioned	0,69		rrr2,rrr3)

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		1,30		Passed
40	As received	1,45		
41		1,12	FFP1 ≤ 20 %	Filtering half masks fulfil
4	Circulate danset	1.48		the requirements of the
5	Simulated wearing	1,43	FFP2 ≤ 6 %	standard EN
6	treatment	1,50		149:2001+A1:2009 given
13	Mechanical strength +	1,56	FFP3 ≤ 1 %	in 7.9.2 in range of the first
14	Temperature	1,68	1	and second protection
15	conditioned	1,54	1	classes (FFP1, FFP2)

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Lab A + B



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7.10 COMPATIBILITY WITH SKIN (EN 149:2001 + A1:2009 clause 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 5s after removal from the flame.	Pass	Detail refer to Annex IV

Annex IV-WWW140GatutayeiS Khe tables as follows:

No. of Sample	Condition importe	Visual inspection	Requirements in accordance with EN 149:2001+A1:2009	Assessment of Test Result Conformity / Nonconformity
	As received		Filtering half mask shall not burn or not	Passed Filtering half masks fulfil
21	HPA SK	S.r.o.	continue to burn for more than 5 s after	requirements of the standard EN 149:2001 +
22	conditioned	0,1 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 ₂ content of the inhalation air [%] by volume	An average CO ₂ content of the inhalation air [%] by volume	Requirements in accordance with EN 149:2001+A1:2009	Assessment of Test Result Conformity / Nonconformity	
26		0,680		CO ₂ content of the inhalation air shall	Passed Filtering half masks fulfil	
27	As received	0,667	0,680	not exceed an	requirements of the	
28	0,693		average of 1,0% by volume	standard EN 149:2001 + A1:2009 given in 7.12		
ab B				INIVERSAL	UNIVERSAL SERTIFIKASYON VE GÖZETIM HIZM.	
			(ERTIFICATION Dezil Bulvari, Keyap Vukari Dudullu-Ür	TIC. LTD. STI. 5 Sitesi, E2 Blok, No:44/84 mraniye/ISTANBUL 0 Faks: 0216 455 80 08	



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.

7.14 FIELD OF VISION (EN 149:2001 + A1:2009 clause 8.4) WWW, 4Deauty.sk Test Method: Described in Clause 8.4 importer RESULTS COMMENT SK S.r.O. The field of vision is acceptable if so in practical performance e.s. There were no adverse comments following practical performance tests. Lab B

7.15 EXHALATION VALVE (EN 149:2001 + A1:2009 clause 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 -



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7.16 BREATHING RESISTANCE (EN 149:2001 + A1:2009 clause 8.9)

Test Method: Described in Clause 8.9

Classification Max permitted resistance (mbar) Classified as FFP2 Inhalation Exhalation Output 30 l/min 95 l/min 160 l/min FFP1 0.6 2.1
30 l/min 95 l/min 160 l/min Pass Detail refer to Annex VIA-VI FFP1 0.6 2.1 3.0 100 l/min
FFP1 0.6 2.1 3.0
ww.4beauty.sk

-Tec trabta et et a follows; on Resistance Inhala Condition No. of Inhalation Resistance (mbar) Requirements in Flow rate Requirements in C Assessment of ordanc th 95 l/min accordance with EN Test Result 2001 1:20 [mbar] 149:2001+A1:2009 Conformity / Nonconformity 42 0.64 1,98 43 As received 0.62 1.97 44 0,68 2,02 FFP1 ≤ 0,60 FFP1 ≤ 2,10 7 Passed 0,63 Simulated 2,00 Qualifies 8 wearing 0,69 FFP2 ≤ 0,70 2,04 FFP2 ≤ 2,40 FFP2, FFP3 9 treatment 0.65 2.05 FFP3 ≤ 1,0 FFP3 ≤ 3,00 23 0.62 2,09 Temperature 24 0,64 2,10 conditioned 25 0.67 2.06

Exhalation Resistance

No. of Sample	Condition	Flow rate	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			2,83	2,91	2,87	2,78	2,81		
43	As received		2,78	2,90	2,83	2,75	2,78		
44			2,87	2,87	2,86	2,79	2,84	FFP1 ≤ 3.0	Passed
7	Simulated wearing 1601/ treatment	1	2,91	2,88	2,81	2,82	2,87	111125,0	Qualifies
8		1601/min	2,89	2,83	2,91	2,83	2,79	$FFP2 \leq 3.0$	FFP1, FFP2,
9			2,85	2,91	2,89	2,78	2,83		FFP3
23	T]	2,83	2,85	2,88	2,82	2,81	$FFP3 \leq 3,0$	
24	Conditioned	ic	2,87	2,88	2,85	2,85	2,78		
25	conditioned		2,81	2,79	2,87	2,79	2,76		

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Lab A



7.17 CLOGGING (EN 149:2001 + A1:2009 clause 8.9, 8.10)

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 -



LABORATORY INFORMATION

standard.

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 is also under supervision / as	UNIVERSAL CERTIFICATION and the technical competence of sessment of UNIVERSAL CERTIFICATION based on the ents for bodies certifying products, processes and services		

• Each test result given in this test report shown with the issuing laboratory code.

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Sample Photo



- End of Report -

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