

NB 2163

EU TYPE EXAMINATION CERTIFICATE

Certificate No: 2163-PPE-828

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

GOLDEN SEASON SRL

Via Corfù, 66 - 25124 Brescia Italy manufactured at

JIAXING ZHENZHOU GARMENTS CO. LTD

Xing Ping Er Lu 1388 Hao - Pinghu City 314200 - Zhejiang Province - CHINA 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 Equipment Regulation (EU) 2016/425 Annex 5, it is approved that the product meets the requirements of the regulation.

Product Definition

Brand Name: GOLDEN SEASON Model: GS001

Filtering half mask
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 25/06/2020 and will be valid for 5 years, if there is no change in the relevant harmonised standard affecting the essential health and safety requirements.



Suat KAÇMAZ
UNIVERSAL CERTIFICATION
Director



TECHNICAL ASSESSMENT REPORT

REPORT DATE / NO: 25.06.2020 / KKD-2163-827

Applicant: GOLDEN SEASON SRL

Applicant Address: Via Corfu' 66 - 25124 Brescia - Italy **Manufacturer:** JIAXING ZHENZHOU GARMENTS CO. LTD

Address: Xing Ping Er Lu 1388 Hao - Pinghu City 314200 - Zhejiang Province - CHINA

This report is for the, given above, applicant body prepared according to the test results report conducted by UNIVERSAL CERTIFICATION dated 18.06.2020 with Serial No 06-2020-T-0126 based on EN 149: 2001 + A1: 2009 standard and the technical file dated 09 Jun 2020 Version 01 provided by 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: Particle Filtering Half Mask

Classification: FFP2 NR

Trademark: GOLDEN SEASON Model: GS001



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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. The test resuts with human subjects did not report any problem with the

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. The manufacturer declares in his technical file that according to the results of risk analysis and the material properties they use in the manufacturing, the product has no hazardous content for health.

1.2.1.1. Suitable constituent materials

The materials of which the PPE is made, including any of their possible decomposition products, must not adversely affect the health or safety of users. The material selection is processed in the technical manufacturing process and documented.

1.2.1.2. Satisfactory surface condition of all PPE parts in contact with the user

Any part of the PPE that is in contact or is liable to come into contact with the user when the PPE is worn must be free of rough surfaces, sharp edges, sharp points and the like which could cause excessive irritation or injuries is evaluated and reported in the test report.

1.2.1.3. Maximum permessible user impediment

Any inpediment caused by PPE to movements to be made, postures to be adopted and sensory perception must be minimized; nor must PPE cause movements which endanger the user or other persons.

1.3 Comfort and effectiveness

1.3.1. Adaptation of PPE to user morphology

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 mind ambient factors, the actions to be carried out and the postures to be adopted. For this purpose, it must be possible to adapt the PPE to fit the morphology of the user by all appropriate means, such as adequate adjustment and attachment 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
- 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);
- 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

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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. The product is for single use and tested with simulated wearing conditioning.

2.6. PPE for use in potentially explosive atmospheres

PPE intended for use in potentially explosive atmospheres must 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 in very dangerous situations

The instructions supplied by the manufacturer with PPE for intervention in very dangerous situations must include, in particular, data intended for competent, trained persons who are qualified to interpret them 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. 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.



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

			(LO) 2010/423 Direc			The state of the s		
	Con	forming to EN	149:2001 + A1:2009	Standard Re	quirements			
Article 5	Classification: Particle Filtering Half Mask The mask subject to evaluation based on the test results and technical file provided by the manufacturer is classified as; Filtering Efficiency and maximum Total Inward Leakage: Classified as FFP2 Mask is classified for single shift use, NR							
Article 7.4	Packing: Particle filtering half masks are packaged to protect them from contamination before use and with cardboard boxes to preve mechanical damage. The packaging design and the product is considered to withstand the foreseeable conditions of use based on the visu inspection results given in the test report.							
Article 2.5	understood it withstand failure of the facepiec nuisance for the weare health and safety of use Based on the test resu	ds handling and we e or straps, any m er. The manufacturers. lts, the masks did	ar over the period for which laterial from the filter media er declares that the materials	the particle filte a released by the s used in manuf	wearing treatment and temper ring half mask is designed to the air flow through the filter facturing of the mask does no aring and temarature condition	be used, it suffered mechani has not constitute a hazard t have an adverse affect to		
Article 7.6	Cleaning and Disinfed manufacturer.	ction: Particle filte	ring half mask is not designo	ed to be as re-u	sable. No cleaning or disinfec	tion procedure provided by		
Article 2.7	masks, in walking test security of fastenings a issues. Asset 2.Head ha	t or work simulation field of vision. essed Elements arress comfort of fastenings	Positive 2 2 2 2	ot report any fa	rming the excercises while the ilture by means of head harm inward tests about the comformation of the invariant tests and the invariant tests are contact to the invariant tests and the invariant tests are contact to the invariant tests and the invariant tests are contact to the invariant tests are contact	ess / straps/ earloops comfort, field of vision and fasten ordance with EN 199 and Result timed from the test ts		
Article 7.8	Finish of Parts: Particle filtering half masks, which are likely to come into contact with the user, do not have sharp edges and do not contain burrs.							
Article 7.9.1	condcution of the exec Temperature condition for each excersize are a It was reported that; All 50 exercise measur At least 8 out of the 10	rage test is conducted and as received available in the test rement results are so individual's arithmetics.	the standard. The samples used. The face dimensions of the report. maller or equal to 11%, the venetic mean is smaller or equal.	sed in the test and subjects are subjects are subjects are subjects are subjects are subjects.	er with a walking band, and are subjected to the conditionalso reported. The measurement ween 5,12 % and 7,53%, uses varies between 5,34 % and the for FFP1 and FFP2 class	ing required in the standard ent details for each subject and d 7,08 %.		
	Penetration of filter n	naterial: Sodium (Chloride Testing					
	Condition	No. of Sample	Sodium Chloride Testi 95 L/min max (%)	ing Rec	quirements in accordance with EN 149:2001 + A1:2009	Result		
Article 19.2	(A.R.) (A.R.) (A.R.) (S.W.) (S.W.) (S.W.) (M.S. T.C.) (M.S. T.C.) (M.S. T.C.)	36 37 38 1 2 3 10 11	4,75 4,23 4,89 4,96 4,25 4,88 5,12 5,23 5,31		FFP1 ≤ 20 % FFP2 ≤ 6 % FFP3 ≤ 1 %	Filtering half masks fulfill requirements of the standa EN EN 149:2001 + A1:20 given in 7.9.2 in range of t FFP1, FFP2 classes. 95 L/min = 1.6 dm ³ .sn ⁻¹		
	(M.S. T.C.) Conditioning: (M.S.) (T.C.) (A.R.)	12	5,31 gth litioning inal					





	Penetration of filt	er material:	: : Paraffin Oil To	esting						
	Con	dition	No. of Sample	Paraffin Oil 7 95 L/min ma		quirements in accordance EN 149:2001 + A1:2009		Result		
	(A	(.R.)	39	4,54						
		(.R.)	40	5,12						
		(.R.)	41	4,60		FFP1 < 20 %	F. 1 10 1 6 16 11 1			
		.W.)	4	4,53		FFP1 ≤ 20 %		alf masks fulfill the		
Article		.W.)	5	4,57			requirements of the standard			
7.9.2		.W.)	many transcription (Section 1994)	6 5,09		FFP2 ≤ 6 %		EN EN 149:2001 + A1:2009		
		. W.) S. T.C.)	13	4,51		FFP3 ≤ 1 %	given in 7.9.2 in range of the FFP1, FFP2 classes.			
	The state of the s	T.C.)	14	5,11		FFF3 ≤ 1 70	PTT 1, TTT 2 Classes.			
	***************************************	S. T.C.)	15	4,49						
	Conditioning : (M			4,49						
	(T. (A	C.) Tempera	ature Conditionin eived, original ed wearing treatr							
Article 7.10	adverse effect on h			nce report, the likel	ihood of mask ma	aterials in contact with the	skin causii	ng irritation or other		
	Flammability:									
	Condition	No. o Samp		isual inspection		nents in accordance with E 149:2001 + A1:2009	EN	Result		
to tale	(A.R.)	45		1,1 s		Filtering half mask		Passed Filtering half masks fulfill		
Article	(A.R.)	46		1,4 s		shall not burn or not				
7.11	(T.C.)	21		1,3 s		continue to burn for				
	(T.C.)	(T.C.) 22 1,2 s more than 5 s after requirements of the								
		Temoval from the frame Standard								
	The state of the s	Conditioning: (A.R.) As Received, original (T.C.) Temperature Conditioning								
				g						
	Carbon dioxide co	ontent of the	e inhalation air:							
Article	Condition	No. of Sample		f the inhalation air y volume	An average CO ₂ content of the inhalation air		Requirements in accordance with EN 149:2001 + A1:2009			
7.12	(A.R.)	26	(),54				Passed		
	(A.R.)	27	(),75		[%] CO ₂ content of the inhalation a shall not exceed an average of 1,0% by volume				
	(A.R.)	28	(),61	0,63 [%]			Filtering half mask fulfil requirements of the standard		
	Conditioning: (A	R.) As Rece	eived, original							
Article 7.13						re been reported for donning the mask firmly enough.	ng and rem	ove of the mask also the		
Article 7.14	Field of vision: In	Practical Pe	rformance report	, no adverse effects	were reported for	r the field of vision availab	oility when	the mask is weared.		
Article 7.15	Exhalation Valve	(s): The mod	lel under inspecti	on have no valves.						
	Breathing Resista									
Article 7.16	treatment condition	ned complies	s with the limits	given in the standar	d for FFP1, FFP2	d, 3 with temparature con 2 and FFP3 classes. This ig gle mask tested are availab	is valid for	inhalation results for		
	Passed.									





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 7.18	Demountable Parts: There are no demountable parts on the product.
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 manufacturer and its trademark 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 end date 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 Annex 9.1 of the technical file.
Article 9	The technical documentation for mask design (drawing) also evaluated for marking requirements, drawing GOLDEN SEASON - GS001. The mask template (drawing) indicates that the mask will carry information about the manufacturer / trademark (GOLDEN SEASON) of the manufacturer, 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. The marking statement given in the technical documentation was not available on the tested specimen, the manufacturer shall consider to use the marking as stated in the technical file in case of serial manufacturing. Model GS001drawing exists in the technical file of the manufacturer, Annex 6 of 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, Annex 8. The manufacturer shall include this documented user information text in every smallest commertially available package.

PREPARED BY	APPROVED BY
Osman CAMCI PPE Expert	Suat KACMAZ General Manager
	2163 Notified Boots



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: 18.06.2020

Report Number: 05-2020-T-0126

CLIENT and SAMPLE INFORMATION

TEST OWNER	GOLDEN SEASON SRL					
ADDRESS	VIA CORFU' 66 - 25124 BRESCIA - ITALY					
MANUFACTURER	JIAXING ZHENZHOU GARMENTS CO. LTD					
MANUFACTURER ADDRESS	Xing Ping Er Lu 1388 Hao - Pinghu City 314200 - Zhejiang Province - CHIN					
SAMPLE DESCRIPTION	Particle Filteri	ng Half Mas	k			
BRAND NAME – MODEL	GOLDEN SEA	ASON – GSO	001			
TESTING STANDARD	EN 149+A1:2	335				
CASE NUMBER	CE-PPE-2335					
SAMPLE RECEIVE DATE	28.05.2020	TE	ESTIN	NG START DATE	01.06.2020	
DISINFECTION INSTRUCTION If applicable	Not given, sin	gle use only	le use only			
NUMBER OF SAMPLES	50	SAMPLE 1	IDs: 1 – 46			
AS RECEIVED SAMPLE NO	26-46					
	Simulated wearing treatment		1-2-3-4-5-6-7-8-9 (As Received)			
CONDITIONING SAMPLE NO	Temperature conditioning		10-11-12-13-14-15 (Sample after test of Mechanical Strength)			
			16-17-18-19-20-21-22-23-24-25 (As Received)			
	Mechanical strength 10-11-12-13-14-15 (As Reco			eceived)		

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 SERIFICATION TEGOZETIM HIZM. TEGOZETIM HIZM. TIC. LTD. STI. Necip Faul Bulvari, Keyap Sitesi, E2 Blok, No:44/84 Yukari Dudullu-Umraniye/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 EN 13274-7:2019	Penetration of Filter Material	Pass	FFP2
EN 149:2001 + A1:2009 clause 8.6 EN 13274-4:2001	Flammability Testing	Pass	See results
EN 149:2001 + A1:2009 clause 8.7 EN 13274-6:2001	Carbon Dioxide Content of The Inhalation Air Testing	Pass	See results
EN 149:2001 + A1:2009 clause 8.9	Breathing Inhalation Resistance-30 l/min	Pass	See results
EN 13274-3:2001	Breathing Inhalation Resistance-95 l/min	Pass	See results
EN 149:2001 + A1:2009 clause 8.9 EN 13274-3:2001	Exhalation Resistance, flow rate 160 l/min	Pass	See results





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 inspection

Clause 8.3.1-Simulated wearing treatment

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

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

The air has been saturated at (37 ± 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: Described in Clause 8.4

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

Annex I-Test Result:

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

Assessed elements	Positive Assessment	Negative Assessment	Requirements in accordance with EN 149:2001+A1:2009	Assessment of Test Result Conformity / Nonconformity
The face piece fitting Head harness comfort Security of fastenings Field of vision	2 2 2 2 2	0 0 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

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

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VE GÖZETİM HİZM.
TİC LTD. STİ.
Necip Fazıl Bulvarı, Keyar Sitesi, 22 Blok, No:44/84
Yukarı Dudullu-Umrarı 42 NABUL
Teleton: 0216 455 80 80 5485: 0216: 455 80 08 I

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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

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Test Subject	No of sample	Cond.	1. Walk (%)	Head side/ side (%)	Head up/down (%)	Talk (%)	2. Walk (%)	Average (%)
1	31	A.R.	5,40	5,47	5,15	5,13	5,86	5,40
2	32	A.R.	5,49	5,47	5,25	5,16	5,32	5,34
3	33	A.R.	5,32	5,98	5,12	5,16	5,15	5,35
4	34	A.R.	6,35	6,33	5,10	5,14	6,41	5,87
5	35	A.R.	6,75	6,60	6,50	6,05	6,36	6,45
6	16	T.C.	6,44	6,49	6,68	6,57	7,12	6,66
7	17	T.C.	6,92	7,00	7,68	6,70	7,10	7,08
8	18	T.C.	6,87	6,01	7,12	7,11	6,09	6,64
9	19	T.C.	7,51	6,06	7,20	7,32	6,10	6,84
10	20	T.C.	7,53	5,40	7,49	6,80	6,86	6,82
All 50 indi	vidual exerci	se results were	e not greater that	n 11 %		0,80	0,80	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

For Information Only

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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	
FFP1 FFP2 FFP3	Max penetration NaCl test 95 l/min %max 20 6	Paraffin oil test 95 l/min %max 20 6 1	Pass	Detail refer to Annex IIIA and IIIB	

Annex IIIA-Test Result:

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

No. of Sample	Condition	Penetration of Sodium Chloride in accordance with EN 13274-7:2019 [%] Flow rate 95 l/min	Requirements in accordance with EN 149:2001+A1:2009	Assessment of Test Result Conformity / Nonconformity
36		4,75		Passed
38	As received	4,23		
1		4,89	FFP1 ≤ 20 %	Filtering half masks fulfil
2	Simulated wearing	4,96		the requirements of the
2	treatment	4,25	FFP2 ≤ 6 %	standard EN
3		4,88]	149:2001+A1:2009 given
10	Mechanical strength +	5,12	FFP3 ≤ 1 %	in 7.9.2 in range of the
11	Temperature	5,23]	first, second protection
12	conditioned	5,31		class (FFP1, FFP2)

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		4,54		Passed
40	As received	5,12		1 45504
41		4,60	FFP1 ≤ 20 %	Filtering half masks fulfil
4	Simulated wasning	4,53		the requirements of the
5	Simulated wearing treatment	4,57	FFP2 ≤ 6 %	standard EN
6	treatment	5,09	1000000	149:2001+A1:2009 given
13	Mechanical strength +	4,51	FFP3 ≤ 1 %	in 7.9.2 in range of the first,
14	Temperature	5,11		second protection classes
15	conditioned	4,49		(FFP1, FFP2)

Lab A + B



Necip Fazil Bulvarı, Keyap Sitesi, E2 Blok, No:44/84 Yukarı Dudullu-Ümraniye/ISTANBUL Telefon: 0216 455 89 80 Faks: 0216 455 80 08 Sarıgazi V. D. 892 025 8722

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

No. of Sample	Condition	Visual inspection	Requirements in accordance with EN 149:2001+A1:2009	Assessment of Test Result Conformity / Nonconformity
45	As received	1,1 s	Filtering half mask	Passed
46	As received	1,4 s	shall not burn or not	Filtering half masks fulfil
21	Temperature	1,3 s	continue to burn for more than 5 s after	requirements of the standard EN 149:2001 +
22	conditioned	1,2 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		0,54		CO ₂ content of the	Passed
27	As received	0,75	0,63 [%]	inhalation air shall not exceed an average	Filtering half masks fulfil requirements of the
28		0,61		of 1,0% by volume	standard EN 149:2001 + A1:2009 given in 7.12

Lab B



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

Test Method: Described in Clause 8.4, 8.5

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

Lab B

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

Test Method: Described in Clause 8.4

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

Lab B

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





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

Test Method: Described in Clause 8.9

	REQU	IREMENT		RESULTS	COMMENT
Classification FFP1 FFP2 FFP3		rmitted resistance lation 95 l/min 2.1 2.4 3.0	Exhalation 160 l/min 3.0 3.0 3.0	Pass	Classified as FFP2 Detail refer to Annex VIA-VIB

Annex VIA-Test Result:

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

Inhalation Resistance

No. of	Condition	Inhalation Resistance (mbar)						
Sample		Flow rate 30 l/min [mbar]	Requirements in accordance with EN 149:2001+A1:2009	Flow rate 95 l/min [mbar]	Requirements in accordance with EN 149:2001+A1:2009	Assessment of Test Result Conformity / Nonconformity		
42		0,47		1,54				
43	As received	0,39		1,27				
44		0,39	FFP1 < 0.60	1,27	FFP1 ≤ 2,10			
7	Simulated	0,49		1,35	1111 22,10	Passed		
8	wearing	0,44	FFP2 ≤ 0,70	1,33	FFP2 ≤ 2,40	Qualifies		
9	treatment	0,41		1,32		FFP1,FFP2, FFP3		
23	Tomaranatura	0,47	FFP3 ≤ 1,0	1,43	FFP3 ≤ 3,00	TITS		
24	Temperature conditioned	0,46		1,36				
25	conditioned	0,51		1,38				

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 / Nonconfor mity
42			2,47	2,54	2,61	1,63	2,60		inity
43	As received		2,13	2,15	2,39	2,22	2,17		
44			2,16	2,20	2,23	2,38	2,30	FFP1 ≤ 3,0	Passed
7	Simulated		2,69	2,76	2,81	2,80	2,79	1111 \(\sigma 5,0	Qualifies
8	wearing	160l/min	2,15	2,19	2,30	2,23	2,30	FFP2 ≤ 3,0	FFP1.
9	treatment		2,57	2,61	2,66	2,70	2,63		FFP2, FFP3
23	Tamananata		2,58	2,66	2,67	2,71	262	$FFP3 \leq 3,0$	
24	Temperature conditioned		2,42	2,19	2,77	2,46	2,21		
25	conditioned		2,25	2,34	2,32	2,34	2,30		

Lab A

VE GOZETIM HIZM.
TIC. L.D. ST.
Necip Fazil Bulvari, Keyap Sitesi, E. Bo. 44/8
Yukari Dudullu-Ümraniyei/St. AMSUL
Telefon: 0216 455 80 80 Fasis: 0216 455 80 08
Sarigazi V.D. 892 025 8722
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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 -

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

Test Method: Described in Clause 8.2

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

Lab -

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

LABORATORY INFORMATION

Code	Laboratory Name	Competency Explanations				
Lab A	UNIVERSAL SERTIFIKASYON VE	Internal Laboratory Services of Notified Body				
	GOZETIM HIZMETLERI TIC. LTD. STI.					
	GCNTR ULUSLARARASI	Laboratory holds an accreditation by Turkish Accreditation				
Lab B	BELGELENDIRME, GOZETIM, EGITIM	Agency with number AB-1252-T according to EN ISO/IEC				
Duo B	VE DIS TICARET LIMITED SIRKETI	17025:2017.				
	KOCAELI DILOVA SUBESI	17023:2017.				
•	• The laboratories are contracted bodies with UNIVERSAL CERTIFICATION and the technical competence of					
	the laboratories is also under supervision / assessment of UNIVERSAL CERTIFICATION based on the					
	provisions of EN ISO/IEC 17065 Requirements for bodies certifying products, processes and services standard					
•	Each test result given in this test report shown with the issuing laboratory code.					



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Sample Photos of Packaging and Mask itself



- End of Report -





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SERTIFICATION
VE GÖZETİM HİZM.
TİC. LTD. ŞTİ.
Necip Fazıl Bulvarı, Keyap Sitesi, E2 Blok, No:44/84
Yukarı Dudullu-Ümraniye/İSTANBUL
Telefon: 0216 455 80 80 Faks: 0216 455 80 08
Sarıgazi V.D. 892 025 8722





BE SAFE, BREATH SAFI

Technisches Datenblatt - Code GS001

FFP2 NR FILTERING FACE MASK FFP2

BESCHREIBUNG

- Die Rexpiria® GS001 FFP2 NR Filter-Gesichtsmaske bietet einen wirksamen Schutz der Atemwege vor festen und / oder nichtflüchtigen flüssigen Partikeln (Staub, Dämpfe, Nebel).
- Klappfilterkörper.
- Der Nasenbügel gewährleistet eine optimale Passform für jede Gesichtsform.
- Elastische Ohrbänder.
- NR-Kennzeichnung: Es handelt sich um eine wegwerfbare Einweg-Atemschutzmaske, die nicht wiederverwendet werden darf.
- Produkt geprüft und CE-zertifiziert gemäß der Norm EN149: 2001 + A1: 2009.
- Individuell verpacktes Produkt zur Gewährleistung von Hygiene und perfekter Konservierung sowie zur Vermeidung von Kontaminationen.

VERPACKUNG

- Beutel mit 1 Stück.
- Beutel mit 10 Stück.
- Karton mit 10 Stück.
- Karton mit 50 Stück.

MATERIALIEN

- Filterkörper aus vier Lagen Polypropylenvlies.
- Spandex elastische Ohrbänder
- Gewicht: 4 Gramm

LAGERUNG UND TRANSPORT

Rexpiria ® GS001 FFP2 NR Filter Gesichtsmaske hat eine Lebensdauer von 3 Jahren.

Das Verfallsdatum ist auf jeder Packung angegeben. Das Produkt muss in einer sauberen und trockenen Umgebung in einem Temperaturbereich zwischen + 5 ° C und + 40 ° C und einer relativen Luftfeuchtigkeit von weniger als 80% gelagert werden. Verwenden Sie zur Lagerung und / oder zum Transport die Originalverpackung.

ZERTIFIZIERUNGEN

Die Atemschutzmaske Rexpiria ® GS001 FFP2 NR-Filterung erfüllt die Anforderungen der Verordnung EU 2016/425 (Persönliche Schutzausrüstung) und ist gemäß der technischen Norm EN 149: 2001 + A1: 2009 als PSA der Kategorie III CE-zertifiziert. CE-Zertifizierung und -Kontrolle wurden von der Universal Certification (Notified Body Nummer 2163) durchgeführt.

Die Produkte werden in einer nach ISO 9001 zertifizierten Fabrik hergestellt.

Durchgeführte Zertifizierungstests:

- Filtermaterialeffizienz
- Gesamtfilterleistung
- Entflammbarkeit
- Kohlendioxidgehalt der eingeatmeten Luft
- Atemwiderstand

WARNHINWEISE

sicher.

- Der Benutzer muss vor der Anwendung in der richtigen Verwendung des Produkts geschult sein.
- Bitte lesen Sie die Anweisungen in der mehrsprachigen Bedienungsanleitung sorgfältig durch.
- Die Atemschutzmaske schützt nicht vor Gasen und Dämpfen, für diese sind spezielle Masken notwendig (Halbmasken und Vollmasken mit Gasfiltern).
- Nicht in Umgebungen mit unzureichendem Sauerstoffgehalt (<17%) verwenden.
- Nicht verwenden, wenn die Konzentrationen des Schadstoffs gesundheitsschädlich sind.
- Verlassen Sie sofort den Arbeitsbereich, wenn das Atmen schwer wird oder wenn Sie sich unwohl fühlen oder sich Übelkeit und / oder Schwindel bemerkbar machen.
- Ändern oder verändern Sie das Produkt in keiner Weise.
- Die Atemschutzmaske ist wegwerfbar und darf nur einmal verwendet werden.
- Die Anwendung wird nicht empfohlen, wenn k\u00f6rperliche Bedingungen (Bart oder lange Koteletten)
 vorliegen, die den direkten Kontakt zur Haut nicht erm\u00f6glichen.
 Stellen Sie den direkten Kontakt zwischen der Haut und den Dichtungskanten der Atemschutzmaske



BE SAFE, BREATH SAFE

GOLDEN SEASON SRL

P. IVA / MwSt. 03233670987 - REA BS-516795 | Legal: via Corfù 66, 25124 Brescia - IT Hauptsitz: via dell'Industria 61, 25030 Erbusco (BS) - IT - Tel +39 030 72 37 77 - Fax +39 030 77 06 867 Logistik: via Verona 37, 37017 Lazise (VR) - IT

KONFORMITÄTSERKLÄRUNG

GOLDEN SEASON SRL VIA CORFÙ 66 – 25124 BRESCIA - ITALY

PRODUKT: Partikelfiltrierende Halbmaske - Persönliche Schutzausrüstung (PSA) der Kategorie III

HERSTELLER: Golden Season S.r.l., via Corfù 66 25124 Brescia - Italy

Masken produziert durch: Jiaxing Zhenzhou Garments Co. Ltd, No. 1388, Xing Ping 2 Road, Economic Development zone, Ping City, Zhe Jiang, China

MARKE: Golden Season

ARTIKEL: GS001 FFP2 NR EN 149:2001+AI:2009

ZERTIFIKAT: NB2163 No: 2163-PPE-828 ausgestellt von Universal Certification Istanbul www.universalcert.com

Golden Season Srl erklärt in eigener Verantwortung, dass die oben genannte partikelfiltrierende Halbmaske Artikel GS001 den Bestimmungen der EU-Verordnung 2016/425 und den nationalen Normen zur Umsetzung der harmonisierten Normen UNI EN 149: 2009 entspricht und identisch ist mit der PSA gemäß EU- Zertifikat Nr. 2163-PPE-828, ausgestellt von der Benannten Stelle Universal Certification Istanbul NB 2163.

Das Produkt (PSA) unterliegt dem in Artikel 19 c) der Verordnung (EU) 2016/425 (Modul C2 oder D) vorgesehenen Verfahren unter der Kontrolle der Benannten Stelle Universal Certification Istanbul NB 2163.

Ort: via Corfù, 66 - 25124 BRESCIA, ITALY

Datum: 21-09-2020

GOLDEN SEASON SRL

VIA CORFU' 66 - 25124 BRESCIA, ITALY

+39 030 72377

Link zu download der Konformitätserklärung: rexpiria.com/konformitaet