

Mascarillas FFP3 con certificado europeo CE (embolsadas individualmente - caja de 25 unidades)



Características técnicas:

- Las mascarillas FFP3 cuentan con Certificación Europea (EN 149+A1:2009 Module B, clase FFP3 NR), validada por la empresa "Universal Certification and Surveillance Service Trade Ltd. Co.", que pertenece al grupo de empresas autorizadas por la UE.
- Filtración mayor al 98% de acuerdo con los tests realizados BFE > 99%
- FFP3 es la calificación más alta para una mascarilla según la norma EN 149: 2001 de la UE.
- Esta mascarilla consta de 5 capas individuales de telas no tejidas de alta tecnología que proporcionan una filtración y durabilidad excepcionales del respirador.
- Las mascarillas FFP3 se ajustan con firmeza a la cara para dar mayor protección frente a aerosoles. Son las mascarillas que mejor protegen frente al Covid, prevalece la seguridad frente a la comodidad. Aquellas personas que sientan una elevada presión deben estirar las gomas varias veces para tener una mayor sensación de confort
- Clip nasal elaborado con un material acolchado para un mejor ajuste y una mayor comodidad.
- El material está testado para no causar irritaciones en la piel.
- Bordes termosellados que aseguran un ajuste óptimo.
- Compatibles con el uso de gafas.
- Resistente a la penetración de sólidos y líquidos.
- Hipoalergénicas.









Verify the validity with the QR code



EU TYPE EXAMINATION CERTIFICATE

Certificate No: 2163-PPE-1902

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

Jiangmen Yanyang Trading Co., Ltd.

No.1, 4th Floor, Building 2, No.18 Xinyi Road, Jianghai District, Jiangmen City, Guangdong 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

Single shift use particle filtering half mask for protection against solid and liquid aerosols, is a folding type, 5 layers, without valve, nose clip, head straps and internal sponge.

Model: YY1029 Classification: FFP3 NR

For more details, refer technical evaluation report provided to the manufacturer, dated 05.01.2021 and number 2163-KKD-1902

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.

This certificate is initially issued on 09/01/2021 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

Necip Fazıl Bulvarı Keyap Sitesi E2 Blok No:44/84 Yukarı Dudullu Ümraniye - İSTANBUL - TURKEY T:+90 216 455 80 80



TECHNICAL ASSESSMENT REPORT

REPORT DATE / NO: 05.01.2020 / 2163-KKD-1902

Manufacturer: JIANGMEN YANYANG TRADING CO., LTD.

Address: No.1, 4th Floor, Building 2, No.18 Xinyi Road, Jianghai District, Jiangmen City, Guangdong Province, CHINA

Introduction

This report is prepared for the, given above, manufacturer according to the test results obtained from Suzhou Guozheng Testing Technology Co., Ltd. accredited by CNAS (Chinese Accreditation Service), signatory to ILAC MRA, with number L13995 for the product identified below, dated 19.12.2020 with Serial No GZWT20200606 based on EN 149: 2001 + A1: 2009 standard and the technical file dated 23.12.2020 Version 1 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 shift use particle filtering half mask for protection against solid and liquid aerosols, is a folding type, 5 layers, without valve, nose clip, head straps and internal sponge.

Component and Materials:

Component	Material	Grade / Size
1st Layer (Inner)	Non-woven Fabric	$25 \text{ g} (\pm 5 \text{ g/m}^2)$
2nd Layer	Melt Blown Fabric	$25 \text{ g} (\pm 5 \text{ g/m}^2)$
3rd Layer	Melt Blown Fabric	$25 \text{ g} (\pm 5 \text{ g/m}^2)$
4th Layer	Hot Air Cotton	$25 \text{ g} (\pm 5 \text{ g/m}^2)$
5th Layer (Outer)	Non-woven Fabric	$50 \text{ g} (\pm 1 \text{ g/m}^2)$
Nose Clip	Polypropylene	Length: 88 mm (± 3 mm)
		Width: 11.5 mm (± 2 mm)
Head Strap	Polyester + Cotton	Upper Length: 300 mm (± 5 mm)
		Below Length: 240 mm (± 5 mm)
Adjusting Buckle	Polypropylene	Length: 50 mm (± 1 mm)
		Width: 15 mm (± 1 mm)
Sponge Strip	Polyurethane	Length: 90 mm (± 2 mm)
		Width: 10 mm (± 2 mm)

Classification: FFP3 NR

Model: YY1029





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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.

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

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.

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

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
- 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);
- j) 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.

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 all or 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

	(EU) 20	16/425 Directive	
	Conforming to EN 149:200	l + A1:2009 Standar	d Requirements
Article 5	Classification: Particle Filtering Half Mask The mask subject to evaluation based on the test resu Filtering Efficiency and Maximum Total Inward Leal Mask is classified for single shift use, NR	cage: Classified as FFP3	
Article 7.4	mechanical damage. The packaging design and the inspection results given in the test report. Details give	product is considered to v n in Annex 9.1 of Technica	ontamination before use and with cardboard boxes to prew vithstand the foreseeable conditions of use based on the vis I File
Article 7.5	Material: Materials used in particle filtering half ma understood it withstands handling and wear over the failure of the facepiece or straps, any material from nuisance for the wearer. The manufacturer declares health and safety of users. Manufacturer declares the Technical File.	sks, according to the simul- period for which the particle the filter media released that the materials used in material do not have	ted wearing treatment and temperature conditioning results. I filtering half mask is designed to be used, it suffered mechanically the air flow through the filter has not constitute a hazard anufacturing of the mask does not have an adverse affect to e any adverse effect for the wearers health in Section 7 of a wearing and temarature conditioning. No nuisance situation
Article			re-usable. No cleaning or disinfection procedure provided by
7.6	manufacturer.	<i>3</i>	as assert the creating of distinction procedure provided by
Article 7.7	masks, in walking test or work simulation tests. Th security of fastenings and field of vision. Also no impissues.	e wearers did not report ar	erforming the excercises while they were weared by the same by failure by means of head harness / straps/ earloops comfortotal inward tests about the comfort, field of vision and fastenic Requirements in accordance with EN
	1.Face piece fitting 2.Head harness comfort 3.Security of fastenings 4.Field of vision	2 0 2 0 2 0 2 0 2 0	Positive results are obtained from the test subjects No imperfections
	Conditioning: (A.R.) As Received, original		
rticle .8		are likely to come into con	ntact with the user, do not have sharp edges and do not contact
rricle	conduction of the excercises defined in the standard.	The samples used in the t	amber with a walking band, and samples are taken during test are subjected to the conditioning required in the standard also reported. The measurement details for each subject and
7.9.1	It was reported that: All 50 exercise measurement results are smaller or equ At least 9 out of the 10 individual's arithmetic mean is		
	At least 5 out of the 10 marvidual's arithmetic mean is	smaller or equal to 2 %, th	e values values between 1.2 % and 2.8 %.
	According to the reporter	results, the product mee	ts the limits for FFP3 classification.
1(-)	Penetration of filter material: Sodium Chloride Test	ing	
	Coding	n Chloride Testing	Peguiraments in accordance with

No. of Sample	Sodium Chloride Testing 95 L/min max (%)	Requirements in accordance with EN 149:2001 + A1:2009	Result
-	0,1		
	0,4		
	0,7	FFP1 < 20 %	Filtering half masks fulfill the
-	0.1		requirements of the standard
-	0.7	FFP2 ≤ 6 %	EN EN 149:2001 + A1:2009
-	0.4		given in 7.9.2 in range of the FFP1, FFP2 and FFP3
-	0.6	FFP3 ≤ 1 %	classes.
-	0.1		Classes.
-	0.7		
	Sample	Sample 95 L/min max (%) -	No. of Sample

(T.C.) Temperature Conditioning (A.R.) As Received, original

(S.W.) Simulated wearing treatment

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Article 7.9.2



		- 0							
	Penetration of filter material: Paraffin Oil Testing								
	Co	ndition	No. of Sample	Paraffin Oil To 95 L/min max		equirements in accordance th EN 149:2001 + A1:2009		Result	
		A.R.)	-	0.9					
	ALCO TO SERVICE AND ADDRESS OF THE PARTY OF	A.R.)	-	0.4		1			
1		A.R.)	-	0.8		FFP1 ≤ 20 %		alf masks fulfill the	
Article		S.W.)		0.6				ments of the standard	
7.9.2		S.W.)	1-	0.7		FFP2 ≤ 6 %		9:2001 + A1:2009 9.2 in range of the	
		S.W.) S. T.C.)		0.9		EED2 - 1 04		FFP2 and FFP3	
		S. T.C.)		0.6		FFP3 ≤ 1 %	,	classes.	
		S. T.C.)	-	0.8		-			
		Conditioning: (M.S.) Mechanical Strength							
		C.) Temperatur							
		A.R.) As Receive	_						
	(S	S.W.) Simulated	wearing treatme	ent			1	7	
Article	Compatibility wi	th ekin. In Prost	ical Darform		1-6-1				
7.10	adverse effect on l	health was not re	norted	ce report, the likelin	ood of mask r	naterials in contact with the	skin causin	ig irritation or other	
		real in was not re	porteu.	<u> </u>					
	Flammability:		1						
	Condition	No. of	Vis	ual inspection	Require	ements in accordance with E	N	Result	
	the state of the s	Sample	91 67-12 V			149:2001 + A1:2009			
Article	(A.R.) (A.R.)	-		rn for 0.5 s		Filtering half mask		Passed	
7.11	(T.C.)			rn for 0.3 s		shall not burn or not continue to burn for	Filton	ing half masks fulfill	
					7	more than 5 s after		quirements of the	
	(1.C.) - Burn for 0.7's removal from the flame						standard		
	Conditioning: (A.R.) As Received, original								
	(T.C.) Temperature Conditioning								
	Carbon dioxide content of the inhalation air:								
			1		An average		sir Tile	1	
	Condition			he inhalation air	CO ₂ content o			Result	
Article		Sample	[%] by	volume	the inhalation	EN 149:2001 + A1:	2009	result	
7.12	(A.R.)		0.97		air	N. C.		Passed	
	(A.R.)	-	0.97 CO ₂ content of the inhalation at			lation air	1 asseu		
					0,93 [%]	shall not exceed an ave		Filtering half masks	
	(A.R.)	=	0.90			1,0% by volume	e	fulfil requirements of	
	Candidiania a (A	D \ A - D : - 1						the standard	
	Conditioning: (A.	K.) As Received	, original	>					
Article	Head harness: In	Practical Perform	nance and TIL	test reports no adve	erse effects ha	ve been reported for donning	g and remo	ve of the mask also the	
7.13	results of these tes	ts indicates that t	he head bands a	are capable of holdi	ng the mask f	irmly enough.			
Article	Field of vision: In	Practical Perform	nance report n	o adverse effects w	era reported fo	or the field of vision availabi	lity when t	ha maak is waarad	
7.14	ricid of vision. In	Tractical Terrori	nance report, n	o adverse effects w	ere reported to	of the field of vision available	nty when t	ne mask is weared.	
Article	Exhalation Valve(s):								
7.15	No exhalation valv	e exists.		(3)			1		
	Dungthi - D	I-1-1-1-1							
1(-)	Breathing Resista	ince: Inhalation							
	The overall and	tion in the C		0 1:00		nal a al			
Article						ed, 3 with temparature cond			
Article 7.16				limits given in the	standard for F	FP3 classes. This is valid fo	r inhalation	n results for 30 L/min,	
7.10	95 L/min and exha	nation at 160 L/m	11II.		-			1-	
							11		
	Passed.						C15	~	
	a asseu.						1		

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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.
Article	Marking – Packaging: Necessary markings are available on the product package (box). The name and trademark of the manufacturer is stated to exist on the carton boxes. 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 annex 9.1 of the technical file. The technical documentation for mask design (drawing) also evaluated for marking requirements, drawing Annex 6. The mask template (drawing) indicates that the mask will carry information about the brandname 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 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 given in the technical file. YY1029 drawing, which exists in the technical file of the manufacturer, as 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	GALCER
Osman CAMCI PPE Expert	Suat KAÇMA Director	Z

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