



TL-787 Page 1 of 9

Report No.: BT20200625T

Customer Information:

SURVEILLANCE and CERTIFICATION UNIVERSAL

Customer. SERVICES Trade Co.

Address.

Sample Information:

FILTERING HALF MASK Sample Name....:

BT-005 Sample Specification...:

FFP2 Sample Classification . . :

Samples in good condition Sample Description. . . . :

All parts were received from customer Sampled Method....:

Receipt Date....: 2020-05-15

Testing Information:

Leakage, Penetration of filter material, etc. Test Items....:

EN 149: 2001+A1: 2009 Test Reference....:

Please refer to the following pages Test Result....:

The test completed project meets EN149: 2001 + A1: 2009

Test Conclusion...: standard FFP2 grade

Written by:

Date:

BEFITLAB TEST TECHNOLOGY SHANGHAI CO., LTD.

Member of International Standards Certification (ISC) Group



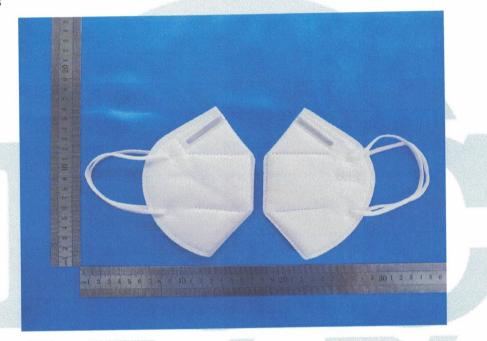
Report No.: BT20200625T

Page 2 of 9

1. Sample List

Manufacturer	Sample Name	Specification	Material	Lot
SHANDONG JIANGPO SANITARY PRODUCTS CO.,LTD.	FILTERING HALF MASK	BT-005	/	/

2. Sample Photos





Report No.: BT20200625T Page 3 of 9

Appendix 1: Visual inspection

1.1. Visual inspection: The visual inspection shall include the marking and information supplied by the manufacturer.

1.2. Result: Pass

1.3. Note: In accordance with requirement.

Appendix 2: Package

2.1. Package: 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.

2.2. Result: Pass

2.3. Note: In accordance with requirement.

Appendix 3: Material

- 3.1. Material: 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. Any material from the filter media released by the air flow through the filter shall 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. When conditioned in accordance with 8.3.1 and 8.3.2 the particle filtering half mask shall not collapse.
- 3.2. Result: Pass
- **3.3. Note:** No mechanical failure after undergoing the conditioning described in 8.3.1. No collapse when conditioned in accordance with 8.3.1 and 8.3.2.

Appendix 4: Cleaning and disinfecting

- **4.1. Cleaning and disinfecting:** 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.
- 4.2. Result: N/A
- **4.3. Note:** Single shift use only.

Appendix 5: Practical performance

- **5.1. Practical performance:** The particle filtering half mask shall undergo practical performance tests under realistic conditions.
- 5.2. Result: Pass



Report No.: BT20200625T Page 4 of 9

5.3. Note: No imperfections.

Appendix 6: Finish of parts

6.1. Finish of parts: Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.

6.2. Result: Pass

6.3. Note: No sharp edges or burrs.

Appendix 7: Total inward leakage

7.1. Total inward leakage: For particle filtering half masks fitted in accordance with the manufacturer's information, at least 46 out of the 50 individual exercise results (i.e. 10 subjects x 5 exercises) for total inward leakage 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 be not greater than 22% for FFP1, 8% for FFP2, 2% for FFP3

7.2. Result: Pass

7.3. Note:

Subject	Sample	Condition	Walk	Head Side/side	Head up/down	Talk	Walk	Mean
Sasjeet	No.		(%)	(%)	(%)	(%)	(%)	(%)
Li	1	A.R.	5.93	5.93	8.38	7.06	8.84	7.23
Zhang	2	A.R.	7.96	5.93	5.65	6.14	8.95	6.93
Yang	3	A.R.	5.66	6.70	7.35	6.49	7.36	6.71
Liu	4	A.R.	7.63	8.86	7.75	5.76	6.90	7.38
Xu	5	A.R.	5.87	8.33	7.54	6.23	8.04	7.20
Sun	6	T.C.	6.69	7.12	6.37	8.55	8.18	7.38
Shen	7	T.C.	5.53	6.00	6.11	6.80	8.63	6.61
Zhu	8	T.C.	6.82	5.61	8.46	8.82	6.20	7.18
Wu	9	T.C.	8.53	6.48	5.78	8.66	6.13	7.12
Xie	10	T.C.	5.55	6.79	6.61	5.90	6.49	6.27
		dividual exer				Pass		



Report No.: BT20200625T

Page 5 of 9

ort No.: B120	2000231				
	Subject	Face length	Face Width	Face Depth	Mouth Width
	Li	128	133	109	48
	Zhang	115	146	113	55
	Yang	109	126	109	51
	Liu	108	120	113	51
	Xu	114	135	113	54
	Sun	126	153	119	56
	Shen	112	138	121	59
	Zhu	119	146	120	53
	Wu	123	150	115	53
	Xie	119	141	118	58
	Sold states of continue.	Same time Equation and Complete			

Appendix 8: Penetration of filter material

8.1. Penetration of filter material: The penetration of the filter of the particle filtering half mask shall meet the requirements of Table 1.

Sodium chloride test 95 l/min

Paraffin oil test 95 l/min

FFP1

≤20%

FFP2

≤6%

FFP3

<1%

<20%

≤6%

≤1%

8.2.Result: Pass

8.3. Note:

3.3. Note:				
		Sample	Penetration	Assessment
Aerosol	Condition	No.	(%)	Assessment
		- 11	1.0	
	As received	12	0.1	
		13	1.0	
		14	1.6	
Sodium	Simulated wearing treatment	15	0.7	
chloride test		16	1.2	
		17	1.6	
	Mechanical strength+ Temperature conditioned	18	3.4	
		19	1.9	



Report No.: BT20200625T

Page 6 of 9

ort No.: B120200	00231				
		20	0.4		
	As received	21	0.7		
		22	0.4		
		23	1.2		
Paraffin oil test	Simulated wearing treatment	24	0.3		
		25	1.7	,	
		26	2.1		
	Mechanical strength+ Temperature conditioned	27	5.9		
		28	1.1		
Flow conditionin	g: Single filter: 95.0 L/min				
	And the second s				

Appendix 9: Compatibility with skin

9.1. Compatibility with skin: 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.

9.2. Result: Pass

9.3. Note: No irritation or any other adverse effect to health.

Appendix 10: Flammability

10.1. Flammability: When tested, the particle filtering half mask shall not burn or not to continue to burn for more than 5 s after removal from the flame.

10.2. Result: Pass

10.3. Note:

ote	•			
	Condition	Sample No.	Result	Assessment
	A - maning d	29	Burn for 0s	
	As received	30	Burn for 0s	Pass
	Temperature	31	Burn for 0s	
	conditioned	32	Burn for 0s	

Appendix 11: Carbon dioxide content of the inhalation air

11.1. Carbon dioxide content of the inhalation air: The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume)



Report No.: BT20200625T Page 7 of 9

11.2. Result: Pass

11.3. Note:

Condition	Sample No.	Resu	lt	Assessment
	33	0.28%	34 1	*
As received	34	0.27%	Mean value 0.27 %	Pass
	35	0.26%		

Appendix 12: Head harness

12.1. Head harness: The head harness shall be designed so that the particle filtering half mask can be donned and removed easily. 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 be capable of maintaining total inward leakage requirements for the device.

12.2. Result: Pass

12.3. Note: Head harness can be donned and removed easily, adjustable or self-adjusting and have sufficiently robust to hold the particle filtering half mask firmly.

Appendix 13: Field of vision

13.1. Field of vision: The field of vision is acceptable if determined so in practical performance tests.

13.2. Result: Pass

13.3. Note: Pass the practical performance tests.

Appendix 14: Exhalation valve

14.1. Exhalation valve: A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations. 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. Exhalation valve(s), if fitted, shall continue to operate correctly after a continuous exhalation flow of 300 l/min over a period of 30 s. When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10 N applied for 10 s.

14.2. Result: N/A

14.3. Note: No exhalation valve.



Report No.: BT20200625T

Appendix 15: Breathing resistance

Page 8 of 9

15.1. Breathing resistance: The breathing resistance apply to valved and valveless particle filtering half masks and shall meet the requirements of Table 2.

oks and shan meet the		mum permitted resistance (mbar	r)
Classification	Inha	lation	Exhalation
	30 1/min	95 l/min	160 l/min
FFP1	0.6	2.1	3.0
FFP2	0.7	2.4	3.0
FFP3	1.0	3.0	3.0

15.2. Result: Pass

15.3. Note:

																200	
					36		i,			37					38		
	Flow	Flow rate		В	С	D	Е	A	В	C	D	Е	A	В	С	D	E
As received		30 1/min	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.3
As received	Inhalation	95 l/min	1.3	1.4	1.3	1.3	1.4	1.4	1.5	1.4	1.4	1.5	1.2	1.3	1.3	1.3	1.3
	Exhalation	160 l/min	2.7	2.6	2.5	2.7	2.7	2.8	2.9	2.7	2.7	2.8	2.8	2.7	2.6	2.6	2.
					39					40					41		
Simulated	Flow	v rate	A	В	С	D	Е	Á	В	С	D	E	A	В	С	D	Е
wearing	-6.00.00002008	30 l/min	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.:
	Inhalation	95 l/min	1.4	1.5	1.4	1.5	1.5	1.5	1.5	1.4	1.5	1.5	1.3	1.4	1.4	1.3	1.:
treatment	Exhalation	160 l/min	2.8	2.8	2.6	2.7	2.8	2.7	2.7	2.6	2.5	2.6	2.9	2.9	2.7	2.8	2.
					42					43					44		
	Flov	v rate	A	В	С	D	Е	A	В	С	D	Е	A	В	С	D	Е
Temperature		30 1/min	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.
conditioned	Inhalation	95 l/min	1.4	1.4	1.3	1.3	1.4	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.3	1.3	1.
	Exhalation	160 l/min	2.7	2.6	2.6	2.7	2.6	2.8	2.6	2.6	2.8	2.8	2.7	2.8	2.6	2.7	2.
Assessment								Pass								right ci	

A: facing directly ahead; B: facing vertically upwards; C: facing vertically downwards; D: lying on the left side; E: lying on the right side

Appendix 16: Clogging

16.1. Clogging: For single shift use devices, the clogging test is an optional test. For re-usable devices the test is mandatory.

16.1.1Breathing resistance: Valved particle filtering half masks:

After clogging the inhalation resistances shall not exceed:

BEFITLAB TEST TECHNOLOGY SHANGHAI CO., LTD.
No. 230, ALLEY 2999, BAOAN ROAD, JIADING DISTRICT SHANGHAI 201801, PEOPLE'S REPUBLIC OF CHINA

Email: info@befitlab.com



Report No.: BT20200625T

Page 9 of 9

FFP1: 4 mbar, FFP2: 5 mbar, FFP3: 7 mbar at 95L/min continuous flow

The exhalation resistance shall not exceed 3 mbar at 160 L/min continuous flow

Valveless particle filtering half masks

After clogging the inhalation and exhalation resistances shall not exceed:

FFP1: 3 mbar, FFP2: 4 mbar, FFP3: 5 mbar at 95L/min continuous flow

16.1.2 Penetration of filter material: The penetration of the filter of the particle filtering half mask shall meet the requirements of Table 1.

1	Sodium chloride test 95 l/min	Paraffin oil test 95 l/min
FFP1	≤20%	≤20%
FFP2	≤6%	≤6%
FFP3	≤1%	≤1%

16.2. Result: N/A

16.3. Note: Single shift use only.

Appendix 17: Demountable parts

17.1. Demountable parts: All demountable parts (if fitted) shall be readily connected and secured, where possible by hand

17.2. Result: N/A

17.3. Note: No demountable parts.

***** End *****

Notice Items:

- 1. It is not valid if the report without our stamp.
- 2. This report must not be altered, increased or deleted.
- 3. The report is just responsible for the tested sample.
- 4. The sample(s) information was/were submitted and identified on behalf of the client.
- 5. Any questions on the report should be put forward within fifteen days since the date on which you receive the report, and overdue is inadmissible.
- 6. The report must not be partially duplicated except in full, without prior written approval of the company.
- 7. If any problem, please Call: 021-59100859 or Email: info@befitlab.com
- 8. Company website: www.accreditservice.com



NB 2163

EU TYPE EXAMINATION CERTIFICATE

Certificate No: 2163-PPE-742

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

SHANDONG JIANGPO SANITARY PRODUCTS CO., LTD.

East of Nanding Village, Laozhaozhuang Town, Linqing, Liaocheng, Shandong, 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: BANER Model: BT-005 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 15/06/2020 and will be valid for 5 years, if there is no change in the relevant harmonised standard affecting the essential health and safety requirements.



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Suat KAÇMAZ
UNIVERSAL CERTIFICATION
Director



NB 2163

CERTIFICATE OF CONFORMANCE

Certificate No: 2163-PPE-742/01

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

SHANDONG JIANGPO SANITARY PRODUCTS CO., LTD.

East of Nanding Village, Laozhaozhuang Town, Linging, Liaocheng, Shandong, China

Continues to fulfil the requirements of

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

Based on the evaluation of test reports and internal quality control audit reports according to EN 149+A1:2009 and Personal Protective Equipment Regulation (EU) 2016/425 Annex VII (Module C2). This certificate implies that the manufactured products show below are in conformance with the approved EU Type Examination model and meets the requirements of the regulation.

Product Definition

Model	Class	EU Type 1	Examination C	Certificate
Model	Class	Serial Nr.	Date	Issuing NB Nr.
BANER / BT-005	FFP2 NR	2163-PPE-742	15.06.2020	2163

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.
- Taking all measures necessary so that the manufacturing process and its monitoring ensure the homogeneity of production and conformity of the manufactured PPE with the type described in the EU type examination certificate.

This certificate is issued on 15/06/2020 and will be valid for one year, until 14/06/2021 if the manufacturer makes no major change in the product designs and manufacturing processes affecting the product performance on the essential health and safety requirement.



Suat KAÇMAZ UNIVERSAL CERTIFICATION Director



TECHNICAL ASSESSMENT REPORT

REPORT DATE / NO: 15.06.2020 / 2073- KKD-742

Manufacturer: Shandong Jiangpo Sanitary Products Co., Ltd

Address: East of Nanding Village, Laozhaozhuang Town, linqing, Liaocheng, Shandong, China

This report is for the, given above, manufacturer prepared according to the test results obtained from Trust Right Testing and Certification Service (Zhongshan) Ltd. accredited by IAS (International Accreditation Service), signatory to ILAC MRA, with number TL-861 for the product identified below, dated 30.05.2020 with Serial No R20200030 based on EN 149: 2001 + A1: 2009 standard and the technical file dated 01 June 2020 Version 0 provided by the manufacturer. The sampling of the product is conducted under our supervision for testing from the manufacturing site of the cient.

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: BANER Model: BT-005





UFR-383 12.12.2018 Rev.01



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 ergonomics of the product.

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);
- 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



Page 216



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 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.

Page 3|6



Technical Assessment of EN 149: 2001 + A1: 2009 Standard and other Standards it refers to, Clauses Corresponding to the (EU) 2016/425 Regulation, Essential Health and Safety Requirements given above.

			149:2001 + A1:2009 S	andara Requ	mements	
Article	Classification: Particle		test results and technical file	nrovidad by d	a manufaatuur !- 1 '6' - 1	
5					e manufacturer is classified	as;
	Mask is classified for s		ward Leakage: Classified as l	·FP2		
			nankagad to protect them	Com contamin	ation before use and will	a cardboard boxes to preve
Article	mechanical damage T	he packaging design	and the product is consider	rom contami	d the foreseable and will	ns of use based on the visu
7.4			nnex 5 of the technical file.	red to Withstar	id the foreseeable conditio	ns of use based on the visu
				a simulated wa	aring tractment and town	ature conditioning results; It
	understood it withstand	s bandling and wear	over the period for which the	particle filterin	aring treatment and temper	be used, it suffered mechanic
N OV	failure of the facepiec	e or straps, any mat	erial from the filter media r	eleased by the	air flow through the filter	has not constitute a hazard
Article	nuisance for the wearer	. The manufacturer	declares that the materials use	d in manufactu	ring of the mask does not ha	ive an adverse affect the hea
7.5	and safety of users.					
	Based on the test resul	lts, the masks did no	ot collapse when subject to :	simulated weari	ng and temarature conditio	ning. No nuisance situation
	reported during the pra-	ctical performance to	ests by human subjects.			
Article			ng half mask is not designed	to be as re-usal	ole. No cleaning or disinfect	tion procedure provided by t
7.6	manufacturer.				g or distinct	non procedure provided by t
	Practical Performance	e :				
	Control of the second s					
	The test report indicate	s that the human su	biects did not face any diffic	ulty in perform	ing the excercises while the	ey were weared by the samp
	masks, in walking test	or work simulation	tests. The wearers did not	report any failu	re by means of head harne	ess / straps/ earloops comfo
	security of fastenings a	nd field of vision. A	lso no imperfactions reported	I during total in	ward tests about the comfor	t, field of vision and fasteni
Article	issues.					
7.7	Asse	ssed Elements	Positive	Negative	Requirements in acco	
	Local Control of the	SOUTH STATE OF STATE			149:2001 + A1:200	
		rness comfort	2	0	Positive results are obta	The state of the s
	5.Field of	of fastenings	2 2	0	subject No imperfe	
	Conditioning: (A.R.)			U	No imperie	ctions
Article	Finish of Parts: The te	est report states that	the particle filtering half mas	ks, which are lil	kely to come into contact w	ith the user, do not have sha
7.8	edges and do not conta					
	Total Inward Leakage	e:				
	The Total Inward Lek	age test is conducte	d by 10 individual in an ac	rosol chamber	with a walking band, and	samples are taken during t
	condcution of the exce	reises defined in the	standard. The samples used	in the test are	subjected to the conditioni	ng required in the standard
	Temperature condition	ing and as received.	The face dimensions of the	subjects are also	reported. The measureme	nt details for each subject a
Article	for each excersize are a					(D. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
7.9.1						
	It was reported that;					
	All 50 exercise measure	ement results are sm	aller or equal to 11%, the val-	ies varies betwe	en 5,8 % and 7,8 %.	
	All 10 individual's arith	imetic mean is small	er or equal to 8%, the values	varies between	6,3 % and 7,4 %.	
	A	eccording to the rep	orted results, the product n	neets the limits	for FFP1 and FFP2 classi	fication.
	· · · · · · · · · · · · · · · · · · ·					
		naterial: Sodium Ch	loride Testing			
	Penetration of filter m	naterial: Sodium Ch	D 1 3			
		naterial: Sodium Ch	Sodium Chloride Testing		rements in accordance with	Result
	Penetration of filter m		Sodium Chloride Testing 95 L/min max (%)		rements in accordance with N 149:2001 + A1:2009	Result
	Penetration of filter m Condition (A.R.)	No. of	Sodium Chloride Testing 95 L/min max (%) 0,1			Result
	Condition (A.R.) (A.R.)	No. of	Sodium Chloride Testing 95 L/min max (%) 0,1 0,1		N 149:2001 + A1:2009	Result
	Condition (A.R.) (A.R.) (A.R.)	No. of	Sodium Chloride Testing 95 L/min max (%) 0,1 0,1 1,1			Filtering half masks fulfill the
tricle	Condition (A.R.) (A.R.) (A.R.) (A.R.) (S.W.)	No. of	Sodium Chloride Testing 95 L/min max (%) 0,1 0,1 1,1 1,6		N 149:2001 + A1:2009 FFP1 ≤ 20 %	Filtering half masks fulfill the requirements of the standar
Article 19.2	Condition (A.R.) (A.R.) (A.R.) (A.R.) (S.W.) (S.W.)	No. of	Sodium Chloride Testing 95 L/min max (%) 0,1 0,1 1,1 1,6 0,7		N 149:2001 + A1:2009	Filtering half masks fulfill t requirements of the standar EN EN 149:2001 + A1:200
	Condition (A.R.) (A.R.) (A.R.) (S.W.) (S.W.) (S.W.)	No. of	Sodium Chloride Testing 95 L/min max (%) 0,1 0,1 1,1 1,6 0,7 1,2		N 149:2001 + A1:2009 FFP1 ≤ 20 % FFP2 ≤ 6 %	Filtering half masks fulfill the requirements of the standar EN EN 149:2001 + A1:200 given in 7.9.2 in range of the
	Condition (A.R.) (A.R.) (A.R.) (A.R.) (S.W.) (S.W.) (S.W.) (S.W.)	No. of	Sodium Chloride Testing 95 L/min max (%) 0,1 0,1 1,1 1,6 0,7 1,2 1,6		N 149:2001 + A1:2009 FFP1 ≤ 20 %	Filtering half masks fulfill t requirements of the standar EN EN 149:2001 + A1:200
	Condition (A.R.) (A.R.) (A.R.) (S.W.) (S.W.) (S.W.)	No. of	Sodium Chloride Testing 95 L/min max (%) 0,1 0,1 1,1 1,6 0,7 1,2 1,6 3,4		N 149:2001 + A1:2009 FFP1 ≤ 20 % FFP2 ≤ 6 %	Filtering half masks fulfill the requirements of the standar EN EN 149:2001 + A1:200 given in 7.9.2 in range of the
	Condition (A.R.) (A.R.) (A.R.) (S.W.) (S.W.) (S.W.) (S.W.) (S.W.) (M.S. T.C.)	No. of Sample	Sodium Chloride Testing 95 L/min max (%) 0,1 0,1 1,1 1,6 0,7 1,2 1,6 3,4 1,9		N 149:2001 + A1:2009 FFP1 ≤ 20 % FFP2 ≤ 6 % FFP3 ≤ 1 %	Filtering half masks fulfill the requirements of the standar EN EN 149:2001 + A1:200 given in 7.9.2 in range of the
	Condition (A.R.) (A.R.) (A.R.) (S.W.) (S.W.) (S.W.) (S.W.) (M.S. T.C.) (M.S. T.C.) (M.S. T.C.) Conditioning: (M.S.)	No. of Sample	Sodium Chloride Testing 95 L/min max (%) 0,1 0,1 1,1 1,6 0,7 1,2 1,6 3,4 1,9		N 149:2001 + A1:2009 FFP1 ≤ 20 % FFP2 ≤ 6 % FFP3 ≤ 1 %	Filtering half masks fulfill the requirements of the standar EN EN 149:2001 + A1:200 given in 7.9.2 in range of the FFP1, FFP2 classes.
	Condition (A.R.) (A.R.) (A.R.) (S.W.) (S.W.) (S.W.) (M.S. T.C.) (M.S. T.C.) (M.S. T.C.) (Conditioning: (M.S.)	No. of Sample	Sodium Chloride Testing 95 L/min max (%) 0,1 0,1 1,1 1,6 0,7 1,2 1,6 3,4 1,9 oning		N 149:2001 + A1:2009 FFP1 ≤ 20 % FFP2 ≤ 6 % FFP3 ≤ 1 %	Filtering half masks fulfill t requirements of the standar EN EN 149:2001 + A1:200 given in 7.9.2 in range of th FFP1, FFP2 classes.





Penetration of filte	er material:	: Paraffin Oil Tes	sting					
Conc	lition	No. of Sample				F	tesult	
(A	.R.)	-	0,4					
(A	(A.R.)		- 0,7					
(A	.R.)	J.E.	0,4		FFP1 < 20 %	Filtering half masks fulfill the		
(S	.W.)		1,2		A 55 F 4 F 8 F 8		requirements of the standard	
(S	.W.)	7	0,3		FFP2 ≤ 6 %		9:2001 + A1:2009	
(S	.W.)	-	1,7 2,1			given in 7.9.2 in range of th		
(M.S	. T.C.)	-			FFP3 ≤ 1 %	FFP1,	FFP2 classes.	
(M.S	, T.C.)	9	5,9					
(M.S	(M.S. T.C.)		- 1,1					
		cal Strength						
1.000								
	and the second second	The state of the s	toring a					
(5.	W.) Simulate	ed wearing treatm	ent					
adverse effect on h							g irritation or other	
Flammability :								
Condition	Sample		2000 HAR 100 ED	14	149:2001 + A1:2009		Result	
			10.507		shall not burn or not		Passed Laboratory claims that the tested items did not burn for	
	X-2000							
(1.C.)			US				5 seconds and fulfils the	
(T.C.)	(T.C.) 34						ement of the standard	
Conditioning: (A.R.) As Received, original								
					F United States Control of the Contr		III II	
Condition	No. of Sample			An average CO ₂ content of the inhalation air		equirements in accordance with EN 149:2001 + A1:2009		
(A.R.)	33	0,	28		CO	starting at	Passed	
(A.R.)	34	0,	27	0.27 [9/]			hillering half mask	
(A.R.)	35		26	0,27 [%]	1,0% by volume		fulfil requirements of the standard	
Head harness: In Practical Performance and TIL test reports no adverse effects have been reported for donning and remove of the mask also t results of these tests indicates that the head harness are capable of holding the mask firmly enough.								
Field of vision: In	Practical Per	formance report,	no adverse effects	were reported for	the field of vision availal	oility when	the mask is weared.	
Exhalation Valve	(s): The mode	el under inspectio	on have no valves.					
The overall evaluatreatment complies	ation of the s with the lin	results gathered nits given in the	standard for FFP1,	FFP2 and FFP3	classes. This is valid for	inhalation i	The second secon	
	Conditioning: (A Conditioning: (M.S. Conditioning: (M.S. Compatibility with adverse effect on here Flammability: Condition (A.R.) (A.R.) (T.C.) Conditioning: (A Conditioning: (A Conditioning: (A Conditioning: (A Conditioning: (A Conditioning: (A Field of vision: In Exhalation Valves Breathing Resistat The overall evaluate treatment complies	Condition (A.R.) (A.R.) (A.R.) (S.W.) (S.W.) (S.W.) (M.S. T.C.) Conditioning: (M.S.) Mechani (T.C.) Tempera (A.R.) As Recei (S.W.) Simulate Compatibility with skin: In Pradverse effect on health was not Flammability: Condition No. of Sampl (A.R.) 29 (A.R.) 30 (T.C.) 31 (T.C.) 32 Conditioning: (A.R.) As Recei (T.C.) Tempera Carbon dioxide content of the Condition No. of Sample (A.R.) 33 (A.R.) 34 (A.R.) 35 Conditioning: (A.R.) As Recei Head harness: In Practical Per results of these tests indicates the Field of vision: In Practical Per Exhalation Valve(s): The model.	Condition Condition	Condition Sample 95 L/min mas	Condition	Condition	Condition No. of Sample Paraffin Oil Testing 95 L/min max (%)	





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.)			
	(For single shift use devices, the clogging test is optional test. For re-usame devices test is mandamory.)			
Article 7.18	Demountable Parts: There are no demountable parts of the mask.			
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 9	Marking – Packaging: Necessary markings are available on the product package (box). 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 end date of shelf life, uisng 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, Annex 5 of the technical file.			
	The technical documentation and marking requirements for mask design (drawing) evaluated Annex 4 and Annex 5 of the technical file. The marking on the mask Annex 5.1 includes information about the manufacturer / trademark of the manufacturer, Type of mask, the reference to EN 149+A1:2009 standard and classification including the re-usability of the mask. This information should also be written on the mask in production.			
	Even the tested sample do not have markings, the manufacturer is expected to follow the technical file details in case of serial production of the mask, as shown below.			
	Baner 伴儿			
	BT-005			
	FFP2 NR			
	EN149:2001+A1:2009			
	Manufacturer: Jiangpo			
	The mask do not have sub-assemblies.			
Article 10	Information to be supplied by the manufacturer: In the 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. The manufacturer shall include this documented user information text in every commertially available package, Annex 2 of Technical file.			

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EU Declaration Of Conformity

This Declaration Of Conformity is issued under the sole responsibility of the Manufacturer

Manufacturer: SHANDONG JIANGPO SANITARY PRODUCTS CO.,LTD

Address: East of Nanding Village, Laozhaozhuang Town, linging, Liaocheng, Shandong, China

Object of Declaration

Product name: FILTERING HALF MASK

Models/Types: BT-005

The object of the declaration described above is in conformity with the relevant Community harmonization Directives:

Regulation (EU) 2016/425 Personal protective equipment

and are in conformity with the following harmonized standards:

EN149:2001+A1:2009

Year of CE marking: 2020

The product is identical with the PPE for which:

Universal Uygunluk Degerlendirme Hizmetleri ve Tic. A.Ş. Necip Fazıl Bulvarı Keyap Sitesi E2 Blok No: 44/84 Yukarı Dudullu Umraniye-Istanbul Country: Turkey

Notified Body number: 2163

Issued the following EU type examination certificate:

2163-PPE-742

This product is subject to the conformity assessment procedure of module:

C2 or D

Company: SHANDONG JIANGPO SANITARY PRODUCTS CO.,LTD

Signature:

Place & Date: Shandong, China/ 20.06.2020

Signed for and on behalf of

