HUACETONG

Declaration of Conformity

Certificate No.:	WUX202003030589SC
Applicant:	Anhui Yongjie Labor Insurance Supplies Co., Ltd.
Address:	Tongzhuang 27, Tongzhuang Neighborhood Committee, Xindu Town, Tongcheng City, Anqing City, Anhui Province
Manufacturer:	Anhui Yongjie Labor Insurance Supplies Co., Ltd.
Address:	Tongzhuang 27, Tongzhuang Neighborhood Committee, Xindu Town, Tongcheng City, Anqing City, Anhui Province
Product Name:	Disposable flat mask
Model No.:	normal type
Trade Mark:	/
Type:	FFP2 NR
Test Standard:	**EN 149:2001+A1:2009**
Test Report Number(s):	WUX202003030589S

PPE directive (EU) 2016/425

Remarks:

The **CE** markings as shown below can be affixed on the product after preparation of necessary conformity documentation, as stipulated in article 10 of the Council Directive **(EU) 2016/425.**

CE

Tony Bi
Technical Director

Mar. 20, 2020

Huacetong Testing Lab Certification

Shenzhen Huacetong Testing and Certification Co., Ltd.
Building B, Xinbaosheng, No.233, Xixiang Street, Bao' an District, Shenzhen, China.
Web: www.szcttlab.com Tel: 86-755-23592524 E-mail: ctt_lab@foxmail.com

TEST REPORT
EN 149
Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking

Report Number	:	**WUX202003030589S**
Test by (name+signature)	:	Sally Liu
Compiled by (+signature)	:	Lucy Ni
Approved by (+signature)	:	Tony Bi
Date of issue	:	Mar. 20, 2020
Total number of pages		12 pages
Testing laboratory	**:**	Shenzhen Huacetong Testing and certification Co., Ltd.
Address	:	Building B, Xinbaosheng, No.233, Xixiang Street, Bao'an District, Shenzhen, China
Testing location	:	As above
Applicant's name	:	Anhui Yongjie Labor Insurance Supplies Co., Ltd.
Address	:	Tongzhuang 27, Tongzhuang Neighborhood Committee, Xindu Town, Tongcheng City, Anqing City, Anhui Province
Test specification:		
Standard	:	EN 149:2001+A1:2009
Test procedure	:	N/A
Non-standard test method	:	N/A
Test Report Form No	:	EN 149
Test Report Form(s) Originator	:	Huacetong
Master TRF	:	N/A
Test item description	:	Disposable flat mask
Trade Mark	:	/
Manufacturer	:	Anhui Yongjie Labor Insurance Supplies Co., Ltd.
Model/Type reference	:	normal type

Summary of testing:	
Tests performed (name of test and test clause): - EN 149:2001+A1:2009 The submitted samples were found to comply with the requirements of above specification.	Testing location: Shenzhen Huacetong Testing and certification Co., Ltd. Building B, Xinbaosheng, No.233, Xixiang Street, Bao'an District, Shenzhen, China

Summary of testing:				
Tests performed (name of test and test clause):				**Testing location:**
EN 149				
7.2	Nominal values and tolerances	Applicable	Pass	1)
7.3	Visual inspection	Applicable	Pass	1)
7.4	Packaging	Applicable	Pass	1)
7.5	Material	Applicable	Pass	1)
7.6	Cleaning and disinfecting	Non-Applicable	N/A	1)
7.7	Practical performance	Applicable	Pass	1)
7.8	Finish of parts	Applicable	Pass	1)
7.9	Leakage	Applicable	Pass	1)
7.10	Compatibility with skin	Applicable	Pass	1)
7.11	Flammability	Applicable	Pass	1)
7.12	Carbon dioxide content of the inhalation air	Applicable	Pass	1)
7.13	Head harness	Applicable	Pass	1)
7.14	Field of vision	Applicable	Pass	1)
7.15	Exhalation valve(s)	Applicable	Pass	1)
7.16	Breathing resistance	Applicable	Pass	1)
7.17	Clogging	Non-Applicable	N/A	1)
7.18	Demountable parts	Non-Applicable	N/A	1)

Test item particulars.....:	
Temperature.....:	20°C
Relative humidity.....:	40-50％
Atmospheric pressure.....:	(9.0±0.2)kPa
Mass of the equipment (kg).....:	See instruction
Possible test case verdicts:	
- test case does not apply to the test object.....:	N/A
- test object does meet the requirement.....:	P (Pass)
- test object does not meet the requirement.....:	F (Fail)
Testing.....:	
Date of receipt of test item.....:	Mar. 03, 2020
Date (s) of performance of tests.....:	Mar. 03, 2020 to Mar. 20, 2020

General remarks:

The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.
"(See Enclosure #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.

Throughout this report a ☒ comma / ☐ point is used as the decimal separator.

Clause numbers between brackets refer to clauses in report

Attachment No. 1: 1 pages of photo.

General product information:

The product is Disposable flat mask, without valve, Non-reusable.

EN149			
Clause(s)	**Test(s)**	**Test Remarks**	**Result**
4	Description		P
	A particle filtering half mask covers the nose and mouth and the chin and may have inhalation and/or exhalation valve.	Without valve	P
5	Classification		P
	FFP1, FFP2 and FFP3	FFP2	P
6	Designation		P
7	Requirements		N/A
7.1	General		P
	In all tests all test samples shall meet the requirements.		P
7.2	Nominal values and tolerances	25℃	P
7.4	Packaging		P
	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.	Closed plastic bag	P
7.5	Material	See 8.3.1, 8.3.2, 8.2	P
7.6	Cleaning and disinfecting		N/A
7.7	Practical performance		P
	The particle filtering half mask shall undergo practical performance tests under realistic conditions.		P
7.8	Finish of parts	No sharp edges or burrs on mask	P
7.9	Leakage		P
	the particle filtering half mask can be used by the wearer to protect with high probability against the potential hazard to be expected.		P
	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		P

<table>
<tr><td></td><td>25 % for FFP1
11 % for FFP2
5 % for FFP3</td><td>8.1%</td><td>P</td></tr>
<tr><td></td><td>at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than</td><td></td><td>P</td></tr>
<tr><td></td><td>22 % for FFP1
8 % for FFP2
2 % for FFP3</td><td>7.5%</td><td>P</td></tr>
<tr><td>7.9.2</td><td>Penetration of filter material</td><td></td><td>P</td></tr>
<tr><td></td><td>Sodium chloride test, 95 l/min</td><td>5.6%, Test 9 samples</td><td>P</td></tr>
<tr><td></td><td>Paraffin oil test 95 l/min</td><td>5.2%, Test 9 samples</td><td>P</td></tr>
<tr><td></td><td><table><tr><td>Classification</td><td colspan="2">Maximum penetration of test aerosol</td></tr><tr><td></td><td>Sodium chloride test 95 l/min
%
max.</td><td>Paraffin oil test 95 l/min
%
max.</td></tr><tr><td>FFP1</td><td>20</td><td>20</td></tr><tr><td>FFP2</td><td>6</td><td>6</td></tr><tr><td>FFP3</td><td>1</td><td>1</td></tr></table></td><td></td><td></td></tr>
<tr><td>7.10</td><td>Compatibility with skin</td><td></td><td>P</td></tr>
<tr><td></td><td>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.</td><td></td><td>P</td></tr>
<tr><td>7.11</td><td>Flammability</td><td></td><td>P</td></tr>
<tr><td></td><td>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 for more than 5 s after removal from the flame.</td><td><4.0s</td><td>P</td></tr>
<tr><td>7.12</td><td>Carbon dioxide content of the inhalation air</td><td></td><td>P</td></tr>
<tr><td></td><td>The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume).</td><td><0.69%</td><td>P</td></tr>
<tr><td>7.13</td><td>Head harness</td><td></td><td>P</td></tr>
<tr><td></td><td>The head harness shall be designed so that the particle filtering half mask can be donned and removed easily.</td><td>Removed easily and donned, self-adjusting. Elastic rope fixing</td><td>P</td></tr>
<tr><td>7.14</td><td>Field of vision</td><td></td><td>P</td></tr>
<tr><td></td><td>The field of vision is acceptable if determined so in practical performance tests.</td><td>Does not affect line of sight</td><td>P</td></tr>
<tr><td>7.15</td><td>Exhalation valve(s)</td><td></td><td>N/A</td></tr>
<tr><td></td><td>A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.</td><td>No exhalation valve</td><td>N/A</td></tr>
</table>

<table>
<tr><td></td><td>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</td><td>>300 l/min

Tensile force 10N, 10s
No damaged,
Function no change.</td><td>N/A</td></tr>
<tr><td>7.16</td><td>Breathing resistance</td><td></td><td>P</td></tr>
<tr><td></td><td>The breathing resistances apply to valved and valveless particle filtering half masks and shall meet the requirements</td><td></td><td>P</td></tr>
<tr><td></td><td>inhalation</td><td></td><td>P</td></tr>
<tr><td></td><td>30 l/min</td><td>0,64</td><td>P</td></tr>
<tr><td></td><td>95 l/min</td><td>1.78</td><td>P</td></tr>
<tr><td></td><td>exhalation</td><td></td><td>P</td></tr>
<tr><td></td><td>160 l/min</td><td>2.45</td><td>P</td></tr>
<tr><td></td><td><table>
<tr><td rowspan="2">Classification</td><td colspan="3">Maximum permitted resistance (mbar)</td></tr>
<tr><td colspan="2">inhalation</td><td>exhalation</td></tr>
<tr><td>30 l/min</td><td>95 l/min</td><td>160 l/min</td></tr>
<tr><td>FFP1</td><td>0,6</td><td>2,1</td><td>3,0</td></tr>
<tr><td>FFP2</td><td>0,7</td><td>2,4</td><td>3,0</td></tr>
<tr><td>FFP3</td><td>1,0</td><td>3,0</td><td>3,0</td></tr>
</table></td><td></td><td>--</td></tr>
<tr><td>7.17</td><td>Clogging</td><td></td><td>N/A</td></tr>
<tr><td>7.17.1</td><td>General</td><td></td><td>N/A</td></tr>
<tr><td></td><td>For single shift use devices, the clogging test is an optional test. For re-usable devices the test is mandatory</td><td></td><td>N/A</td></tr>
<tr><td></td><td>Devices designed to be resistant to clogging, shown by a slow increase of breathing resistance when loaded with dust</td><td></td><td>N/A</td></tr>
<tr><td></td><td>The specified breathing resistances shall not be exceeded before the required dust load of 833 mg · h/m³ is reached.</td><td></td><td>N/A</td></tr>
<tr><td>7.17.2</td><td>Breathing resistance</td><td></td><td>N/A</td></tr>
<tr><td>7.17.2.1</td><td>Valved particle filtering half masks</td><td></td><td>N/A</td></tr>
<tr><td></td><td>FFP1: 4 mbar</td><td></td><td>N/A</td></tr>
<tr><td></td><td>FFP2: 5 mbar</td><td></td><td>N/A</td></tr>
<tr><td></td><td>FFP3: 7 mbar</td><td></td><td>N/A</td></tr>
<tr><td></td><td>at 95 l/min continuous flow</td><td></td><td>N/A</td></tr>
<tr><td></td><td>The exhalation resistance shall not exceed 3 mbar at 160 l/min continuous flow.</td><td></td><td>N/A</td></tr>
<tr><td>7.17.2.2</td><td>Valveless particle filtering half masks</td><td></td><td>N/A</td></tr>
<tr><td></td><td>After clogging the inhalation and exhalation resistances shall not exceed</td><td></td><td>N/A</td></tr>
</table>

	FFP1: 3 mbar		N/A
	FFP2: 4 mbar		N/A
	FFP3: 5 mbar		N/A
	at 95 l/min continuous flow.		N/A
7.17.3	Penetration of filter material		N/A
	All types (valved and valveless) of particle filtering half masks claimed to meet the clogging requirement		N/A
7.18	Demountable parts	No demountable parts	N/A
	All demountable parts (if fitted) shall be readily connected and secured, where possible by hand.		N/A
8	Testing		P
8.1	General		P
8.2	Visual inspection		P
8.3.1	Simulated wearing treatment	Saturated at (37 ± 2) °C	P
8.3.2	Temperature conditioning		P
	Expose the particle filtering half masks to the following thermal cycle:		P
	for 24 h to a dry atmosphere of (70 ± 3) °C;	70℃ 24h	P
	for 24 h to a temperature of (-30 ± 3) ° C;	-30℃ 3h	P
8.3.3	Mechanical strength		P
8.3.4	Flow conditioning		P
8.4	Practical performance	Test 2 samples	P
	head harness comfort	Good	P
	security of fastenings	Good	P
	field of vision	Does not affect line of sight	P
	any other comments reported by the wearer on request.	No other comments	P
8.4.2	Walking test	6km/h, 10 min	P
8.4.3	Work simulation test		P

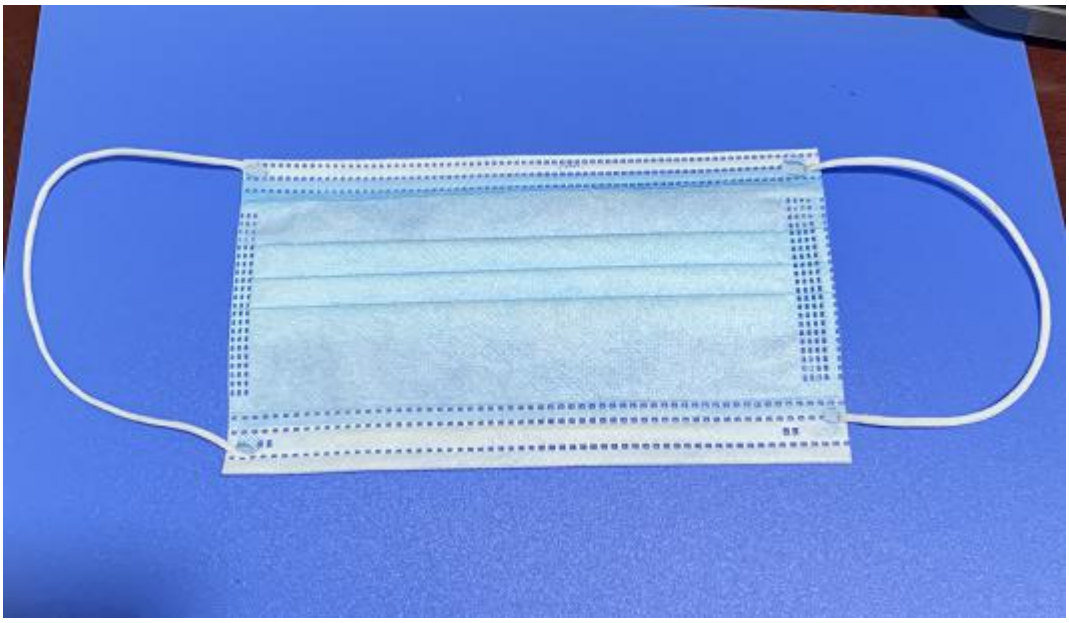
	walking on the level with headroom of (1,3 ± 0,2) m for 5 min; crawling on the level with headroom of (0,70 ± 0,05) m for 5 min; c) filling a small basket (see Figure 1, approximate volume = 8 l) with chippings or other suitable material from a hopper which stands 1,5 m high and has an opening at the bottom to allow the contents to be shovelled out and a further opening at the top where the basket full of chippings is returned. The subject shall stoop or kneel as he wishes and fill the basket with chippings. He shall then lift the basket and empty the contents back into the hopper. This shall be done 20 times in 10 min.		P
8.5	Leakage		P
	General test procedure	total of 10 test specimens	P
	The total inward leakage shall be tested using sodium chloride aerosol.		P
	ten clean-shaven persons (without beards or sideburns)	6km/h	P
	Test procedure		P
	Method		P
8.6	Flammability	800℃ flame height： 40mm	P
8.7	Carbon dioxide content of the inhalation air	Test 3 samples	P
	Air shall be supplied to it from a breathing machine adjusted to 25 cycles/min and 2,0 l/stroke and the exhaled air shall have a carbon dioxide content of 5 % by volume.		P
	The total dead space of the gas path (excluding the breathing machine) of the test installation should not exceed 2000 ml.		P
	The air flow from the front shall be 0,5 m/s.		P
8.8	Strength of attachment of exhalation valve housing	10N, 10s Test 3 samples	N/A
8.9	Breathing Resistance	Test 12pcs samples	P

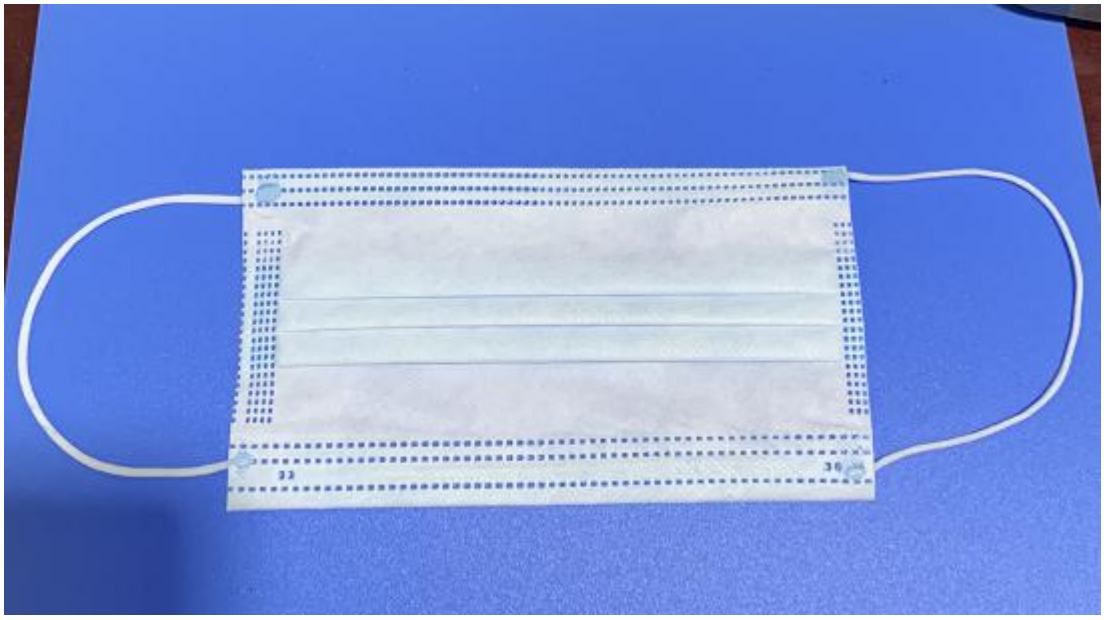
<table>
<tr><td></td><td>Exhalation resistance
Seal the particle filtering half mask on the Sheffield dummy head. Measure the exhalation resistance at the opening for mouth of the dummy head using the adapter shown in Figure 6 and a breathing machine adjusted to 25 cycles/min and 2.0 l/stroke or a continous flow 160 l/min. Use a suitable pressure transducer.
Measure the exhalation resistance with the dummy head successively placed in 5 defined positions:
- facing directly ahead
- facing vertically upwards
- facing vertically downwards
- lying on the left side
- lying on the right side
8.9.3 Inhalation resistance
Test the inhalation resistance at 30 l/min and 95 l/min continuous flow.</td><td></td><td>P</td></tr>
<tr><td>8.10</td><td>Clogging</td><td>Test 3 samples
dolomite dust</td><td>N/A</td></tr>
<tr><td></td><td>The working area of the test chamber has a suggested square section of 650 mm × 650 mm.
The breathing machine has a displacement of 2,0 l/stroke. The exhaled air shall pass a humidifier in the exhaled air circuit, such that the exhaled air temperature, measured at the position of the sample particle filtering half mask is (37 ± 2) °C and 95 % R.H. minimum.</td><td></td><td>N/A</td></tr>
<tr><td></td><td>
<table>
<tr><th colspan="2">Coulter counter</th><th colspan="2">Sedimentation analysis</th></tr>
<tr><th>Size (equivalent spherical diameter)
µm</th><th>% Number particles oversize</th><th>Size (Stokes diameter)
µm</th><th>% weight oversize</th></tr>
<tr><td>0,7</td><td>100</td><td>1</td><td>99,5</td></tr>
<tr><td>1</td><td>80</td><td>2</td><td>97,5</td></tr>
<tr><td>2</td><td>30</td><td>3</td><td>95</td></tr>
<tr><td>3</td><td>17</td><td>5</td><td>85</td></tr>
<tr><td>5</td><td>7</td><td>8</td><td>70</td></tr>
<tr><td></td><td></td><td>10</td><td>50</td></tr>
<tr><td>9</td><td>2</td><td>12</td><td>26</td></tr>
<tr><td></td><td></td><td>14</td><td>10</td></tr>
<tr><td>12</td><td>1</td><td>18</td><td>1</td></tr>
</table>
</td><td></td><td>N/A</td></tr>
<tr><td>8.11</td><td>Penetration of filter material</td><td></td><td>N/A</td></tr>
<tr><td>9</td><td>Marking</td><td></td><td>P</td></tr>
</table>

9.1	Packaging		P
9.1.1	The name, trademark or other means of identification of the manufacturer or supplier.		P
9.1.2	Type-identifying marking.		P
9.1.3	Classification		P
9.1.3	FFP1, FFP2 or FFP3 "NR" if the particle filtering half mask is limited to single shift use only. Example: FFP3 NR, or "R" if the particle filtering half mask is re-usable. Example: FFP2 R D."	FFP2 NR	P
9.1.4	The number and year of publication of this European Standard		P
9.1.5	the year of end of shelf life.		P
9.1.6	‘see information supplied by the manufacturer’ 		P
9.1.7	The manufacturer’s recommended conditions of storage		P
9.1.8	The packaging of those particle filtering half masks passing the dolomite clogging test shall be additionally marked with the letter "D"		N/A
9.2	Particle filtering half mask		P

P

Photos





*******End of Test Report*******

TEST REPORT
EN 149
Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking

Report Number.....:	WUX202002140440S
Test by (name+signature).....:	Sally Liu
Compiled by (+signature).....:	Lucy Ni
Approved by (+signature).....:	Tony Bi
Date of issue.....:	Mar. 16, 2020
Total number of pages.....	11 pages
Testing laboratory .....:	Shenzhen Huacetong Testing and certification Co., Ltd.
Address .....:	Building B, Xinbaosheng, No.233, Xixiang Street, Bao'an District, Shenzhen, China
Testing location .....:	As above
Applicant's name.....:	Anhui Kangweijia Labor Protection Products Co., Ltd.
Address.....:	Chaoyang Avenue, Tongxing Neighborhood Committee, Qingcao Town, Tongcheng City, Anhui Province
Test specification:	
Standard.....:	EN 149:2001+A1:2009
Test procedure.....:	N/A
Non-standard test method…….:	N/A
Test Report Form No.....:	EN 149
Test Report Form(s) Originator.....:	Huacetong
Master TRF.....:	N/A
Test item description.....:	KN95 self-priming filter anti-particle respirator(without valve)
Trade Mark.....:	EBEKang
Manufacturer.....:	Anhui Kangweijia Labor Protection Products Co., Ltd.
Model/Type reference.....:	9501

Summary of testing:	
Tests performed (name of test and test clause): - EN 149:2001+A1:2009 The submitted samples were found to comply with the requirements of above specification.	Testing location: Shenzhen Huacetong Testing and certification Co., Ltd. Building B, Xinbaosheng, No.233, Xixiang Street, Bao'an District, Shenzhen, China

Summary of testing:				
Tests performed (name of test and test clause):				**Testing location:**
EN 149				
7.2	Nominal values and tolerances	Applicable	Pass	1)
7.3	Visual inspection	Applicable	Pass	1)
7.4	Packaging	Applicable	Pass	1)
7.5	Material	Applicable	Pass	1)
7.6	Cleaning and disinfecting	Non-Applicable	N/A	1)
7.7	Practical performance	Applicable	Pass	1)
7.8	Finish of parts	Applicable	Pass	1)
7.9	Leakage	Applicable	Pass	1)
7.10	Compatibility with skin	Applicable	Pass	1)
7.11	Flammability	Applicable	Pass	1)
7.12	Carbon dioxide content of the inhalation air	Applicable	Pass	1)
7.13	Head harness	Applicable	Pass	1)
7.14	Field of vision	Applicable	Pass	1)
7.15	Exhalation valve(s)	Applicable	Pass	1)
7.16	Breathing resistance	Applicable	Pass	1)
7.17	Clogging	Non-Applicable	N/A	1)
7.18	Demountable parts	Non-Applicable	N/A	1)

Test item particulars.....:	
Temperature.....:	23°C
Relative humidity.....:	40-50％
Atmospheric pressure.....:	(9.0±0.2)kPa
Mass of the equipment (kg).....:	See instruction
Possible test case verdicts:	
- test case does not apply to the test object.....:	N/A
- test object does meet the requirement.....:	P (Pass)
- test object does not meet the requirement.....:	F (Fail)
Testing.....:	
Date of receipt of test item.....:	Feb. 14, 2020
Date (s) of performance of tests.....:	Feb. 14, 2020 to Mar. 16, 2020

General remarks:

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"(See appended table)" refers to a table appended to the report.

Throughout this report a ☒ comma / ☐ point is used as the decimal separator.

Clause numbers between brackets refer to clauses in report

Attachment No. 1: 1 pages of photo.

General product information:

The product is Protective masks, without valve.

EN149			
Clause(s)	**Test(s)**	**Test Remarks**	**Result**
4	Description		P
	A particle filtering half mask covers the nose and mouth and the chin and may have inhalation and/or exhalation valve.	Without Valve	P
5	Classification		P
	FFP1, FFP2 and FFP3	FFP2	P
6	Designation		P
7	Requirements		N/A
7.1	General		P
	In all tests all test samples shall meet the requirements.		P
7.2	Nominal values and tolerances	25℃	P
7.4	Packaging		P
	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.	Closed plastic bag	P
7.5	Material	See 8.3.1, 8.3.2, 8.2	P
7.6	Cleaning and disinfecting		N/A
7.7	Practical performance		P
	The particle filtering half mask shall undergo practical performance tests under realistic conditions.		P
7.8	Finish of parts	No sharp edges or burrs on mask	P
7.9	Leakage		P
	the particle filtering half mask can be used by the wearer to protect with high probability against the potential hazard to be expected.		P
	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		P

	25 % for FFP1 11 % for FFP2 5 % for FFP3	8%	P
	at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than		P
	22 % for FFP1 8 % for FFP2 2 % for FFP3	6%	P
7.9.2	Penetration of filter material		P
	Sodium chloride test, 95 l/min	4.6%, Test 9 samples	P
	Paraffin oil test 95 l/min	3.5%, Test 9 samples	P
	<table><tr><td rowspan="2">Classification</td><td colspan="2">Maximum penetration of test aerosol</td></tr><tr><td>Sodium chloride test 95 l/min % max.</td><td>Paraffin oil test 95 l/min % max.</td></tr><tr><td>FFP1</td><td>20</td><td>20</td></tr><tr><td>FFP2</td><td>6</td><td>6</td></tr><tr><td>FFP3</td><td>1</td><td>1</td></tr></table>		
7.10	Compatibility with skin		P
	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.		P
7.11	Flammability		P
	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 for more than 5 s after removal from the flame.	<4s	P
7.12	Carbon dioxide content of the inhalation air		P
	The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume).	<0.82%	P
7.13	Head harness		P
	The head harness shall be designed so that the particle filtering half mask can be donned and removed easily.	Removed easily and donned, self-adjusting. Elastic rope fixing	P
7.14	Field of vision		P
	The field of vision is acceptable if determined so in practical performance tests.	Does not affect line of sight	P
7.15	Exhalation valve(s)		N/A
	A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.	Without valve	N/A

<table>
<tr><td></td><td>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</td><td>>300 l/min

Tensile force 10N, 10s
No damaged,
Function no change.</td><td>N/A</td></tr>
<tr><td>7.16</td><td>Breathing resistance</td><td></td><td>P</td></tr>
<tr><td></td><td>The breathing resistances apply to valved and valveless particle filtering half masks and shall meet the requirements</td><td></td><td>P</td></tr>
<tr><td></td><td>inhalation</td><td></td><td>P</td></tr>
<tr><td></td><td>30 l/min</td><td>0,63</td><td>P</td></tr>
<tr><td></td><td>95 l/min</td><td>1.93</td><td>P</td></tr>
<tr><td></td><td>exhalation</td><td></td><td>P</td></tr>
<tr><td></td><td>160 l/min</td><td>2.32</td><td>P</td></tr>
<tr><td></td><td><table>
<tr><td rowspan="2">Classification</td><td colspan="3">Maximum permitted resistance (mbar)</td></tr>
<tr><td colspan="2">inhalation</td><td>exhalation</td></tr>
<tr><td>30 l/min</td><td>95 l/min</td><td>160 l/min</td></tr>
<tr><td>FFP1</td><td>0,6</td><td>2,1</td><td>3,0</td></tr>
<tr><td>FFP2</td><td>0,7</td><td>2,4</td><td>3,0</td></tr>
<tr><td>FFP3</td><td>1,0</td><td>3,0</td><td>3,0</td></tr>
</table></td><td></td><td>--</td></tr>
<tr><td>7.17</td><td>Clogging</td><td></td><td>N/A</td></tr>
<tr><td>7.17.1</td><td>General</td><td></td><td>N/A</td></tr>
<tr><td></td><td>For single shift use devices, the clogging test is an optional test. For re-usable devices the test is mandatory</td><td></td><td>N/A</td></tr>
<tr><td></td><td>Devices designed to be resistant to clogging, shown by a slow increase of breathing resistance when loaded with dust</td><td></td><td>N/A</td></tr>
<tr><td></td><td>The specified breathing resistances shall not be exceeded before the required dust load of 833 mg · h/m³ is reached.</td><td></td><td>N/A</td></tr>
<tr><td>7.17.2</td><td>Breathing resistance</td><td></td><td>N/A</td></tr>
<tr><td>7.17.2.1</td><td>Valved particle filtering half masks</td><td></td><td>N/A</td></tr>
<tr><td></td><td>FFP1: 4 mbar</td><td></td><td>N/A</td></tr>
<tr><td></td><td>FFP2: 5 mbar</td><td></td><td>N/A</td></tr>
<tr><td></td><td>FFP3: 7 mbar</td><td></td><td>N/A</td></tr>
<tr><td></td><td>at 95 l/min continuous flow</td><td></td><td>N/A</td></tr>
<tr><td></td><td>The exhalation resistance shall not exceed 3 mbar at 160 l/min continuous flow.</td><td></td><td>N/A</td></tr>
<tr><td>7.17.2.2</td><td>Valveless particle filtering half masks</td><td></td><td>N/A</td></tr>
<tr><td></td><td>After clogging the inhalation and exhalation resistances shall not exceed</td><td></td><td>N/A</td></tr>
<tr><td></td><td>FFP1: 3 mbar</td><td></td><td>N/A</td></tr>
</table>

	FFP2: 4 mbar		N/A
	FFP3: 5 mbar		N/A
	at 95 l/min continuous flow.		N/A
7.17.3	Penetration of filter material		N/A
	All types (valved and valveless) of particle filtering half masks claimed to meet the clogging requirement		N/A
7.18	Demountable parts	No demountable parts	N/A
	All demountable parts (if fitted) shall be readily connected and secured, where possible by hand.		N/A
8	Testing		P
8.1	General		P
8.2	Visual inspection		P
8.3.1	Simulated wearing treatment	Saturated at (37 ± 2) °C	P
8.3.2	Temperature conditioning		P
	Expose the particle filtering half masks to the following thermal cycle:		P
	for 24 h to a dry atmosphere of (70 ± 3) °C;	70℃ 24h	P
	for 24 h to a temperature of (-30 ± 3) ° C;	-30℃ 3h	P
8.3.3	Mechanical strength		P
8.3.4	Flow conditioning		P
8.4	Practical performance	Test 2 samples	P
	head harness comfort	Good	P
	security of fastenings	Good	P
	field of vision	Does not affect line of sight	P
	any other comments reported by the wearer on request.	No other comments	P
8.4.2	Walking test	6km/h, 10 min	P
8.4.3	Work simulation test		P

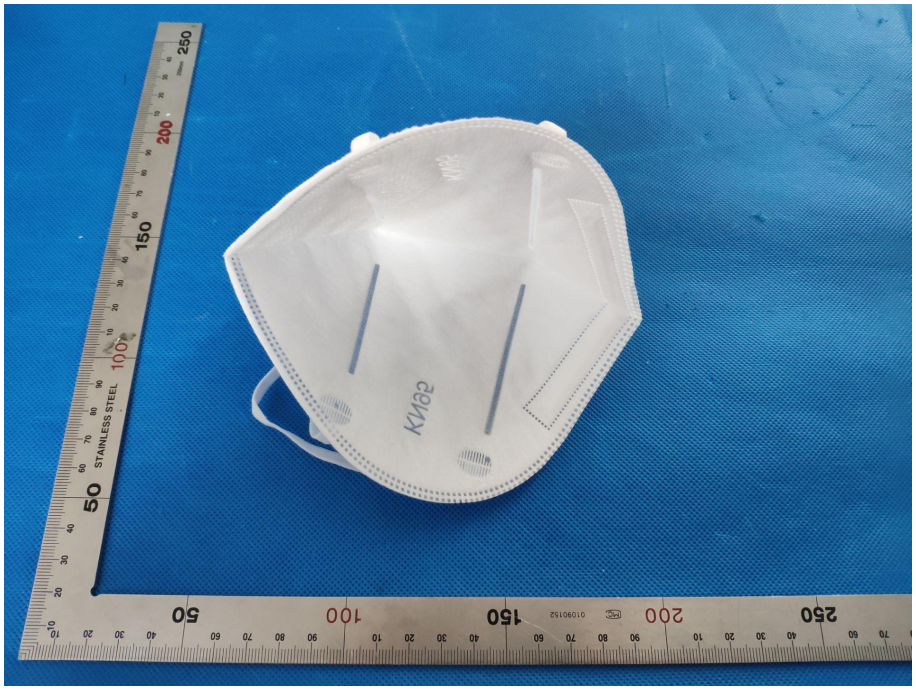
	walking on the level with headroom of (1,3 ± 0,2) m for 5 min; crawling on the level with headroom of (0,70 ± 0,05) m for 5 min; c) filling a small basket (see Figure 1, approximate volume = 8 l) with chippings or other suitable material from a hopper which stands 1,5 m high and has an opening at the bottom to allow the contents to be shovelled out and a further opening at the top where the basket full of chippings is returned. The subject shall stoop or kneel as he wishes and fill the basket with chippings. He shall then lift the basket and empty the contents back into the hopper. This shall be done 20 times in 10 min.		P
8.5	Leakage		P
	General test procedure	total of 10 test specimens	P
	The total inward leakage shall be tested using sodium chloride aerosol.		P
	ten clean-shaven persons (without beards or sideburns)	6km/h	P
	Test procedure		P
	Method		P
8.6	Flammability	800℃ flame height： 40mm	P
8.7	Carbon dioxide content of the inhalation air	Test 3 samples	P
	Air shall be supplied to it from a breathing machine adjusted to 25 cycles/min and 2,0 l/stroke and the exhaled air shall have a carbon dioxide content of 5 % by volume.		P
	The total dead space of the gas path (excluding the breathing machine) of the test installation should not exceed 2000 ml.		P
	The air flow from the front shall be 0,5 m/s.		P
8.8	Strength of attachment of exhalation valve housing	10N, 10s Test 3 samples	N/A
8.9	Breathing Resistance	Test 12pcs samples	P

<table>
<tr><td></td><td>Exhalation resistance
Seal the particle filtering half mask on the Sheffield dummy head. Measure the exhalation resistance at the opening for mouth of the dummy head using the adapter shown in Figure 6 and a breathing machine adjusted to 25 cycles/min and 2.0 l/stroke or a continous flow 160 l/min. Use a suitable pressure transducer.
Measure the exhalation resistance with the dummy head successively placed in 5 defined positions:
- facing directly ahead
- facing vertically upwards
- facing vertically downwards
- lying on the left side
- lying on the right side
8.9.3 Inhalation resistance
Test the inhalation resistance at 30 l/min and 95 l/min continuous flow.</td><td></td><td>P</td></tr>
<tr><td>8.10</td><td>Clogging</td><td>Test 3 samples
dolomite dust</td><td>N/A</td></tr>
<tr><td></td><td>The working area of the test chamber has a suggested square section of 650 mm × 650 mm.
The breathing machine has a displacement of 2,0 l/stroke. The exhaled air shall pass a humidifier in the exhaled air circuit, such that the exhaled air temperature, measured at the position of the sample particle filtering half mask is (37 ± 2) °C and 95 % R.H. minimum.</td><td></td><td>N/A</td></tr>
<tr><td></td><td>
<table>
<tr><th colspan="2">Coulter counter</th><th colspan="2">Sedimentation analysis</th></tr>
<tr><th>Size (equivalent spherical diameter)
µm</th><th>% Number particles oversize</th><th>Size (Stokes diameter)
µm</th><th>% weight oversize</th></tr>
<tr><td>0,7</td><td>100</td><td>1</td><td>99,5</td></tr>
<tr><td>1</td><td>80</td><td>2</td><td>97,5</td></tr>
<tr><td>2</td><td>30</td><td>3</td><td>95</td></tr>
<tr><td>3</td><td>17</td><td>5</td><td>85</td></tr>
<tr><td>5</td><td>7</td><td>8</td><td>70</td></tr>
<tr><td></td><td></td><td>10</td><td>50</td></tr>
<tr><td>9</td><td>2</td><td>12</td><td>26</td></tr>
<tr><td></td><td></td><td>14</td><td>10</td></tr>
<tr><td>12</td><td>1</td><td>18</td><td>1</td></tr>
</table>
</td><td></td><td>N/A</td></tr>
<tr><td>8.11</td><td>Penetration of filter material</td><td></td><td>P</td></tr>
<tr><td>9</td><td>Marking</td><td></td><td>P</td></tr>
<tr><td>9.1</td><td>Packaging</td><td></td><td>P</td></tr>
</table>

9.1.1	The name, trademark or other means of identification of the manufacturer or supplier.		P
9.1.2	Type-identifying marking.		P
9.1.3	Classification		P
9.1.3	FFP1, FFP2 or FFP3 "NR" if the particle filtering half mask is limited to single shift use only. Example: FFP3 NR, or "R" if the particle filtering half mask is re-usable. Example: FFP2 R D."	FFP2 NR	P
9.1.4	The number and year of publication of this European Standard		P
9.1.5	the year of end of shelf life.		P
9.1.6	‘see information supplied by the manufacturer’ 		P
9.1.7	The manufacturer’s recommended conditions of storage		P
9.1.8	The packaging of those particle filtering half masks passing the dolomite clogging test shall be additionally marked with the letter "D"		N/A
9.2	Particle filtering half mask		P

P

Photos



*******End of Test Report*******

HUACETONG

Declaration of Conformity

Certificate No.:	WUX202003020440SC
Applicant:	Anhui Kangweijia Labor Protection Products Co., Ltd.
Address:	Chaoyang Avenue, Tongxing Neighborhood Committee, Qingcao Town, Tongcheng City, Anhui Province
Manufacturer:	Anhui Kangweijia Labor Protection Products Co., Ltd.
Address:	Chaoyang Avenue, Tongxing Neighborhood Committee, Qingcao Town, Tongcheng City, Anhui Province
Product Name:	KN95 self-priming filter anti-particle respirator(without valve)
Model No.:	9501
Trade Mark:	EBEKang
Type:	FFP2 NR
Test Standard:	**EN 149:2001+A1:2009**
Test Report Number(s):	WUX202003020440S

PPE directive (EU) 2016/425

Remarks:

The **CE** markings as shown below can be affixed on the product after preparation of necessary conformity documentation, as stipulated in article 10 of the Council Directive **(EU) 2016/425.**

CE

Tony Bi
Technical Director

Mar. 16, 2020

Huacetong Testing Lab Certification

Shenzhen Huacetong Testing and Certification Co., Ltd.
Building B, Xinbaosheng, No.233, Xixiang Street, Bao' an District, Shenzhen, China.
Web: www.szcttlab.com Tel: 86-755-23592524 E-mail: ctt_lab@foxmail.com

CELAB®
Via Maira snc
04100 Latina
Italy
celab@celab.com

CERTIFICATE

Certificate Number **UCN** :
Job :
Date of Issue : *2020-03-09*
Certificate valid up to : *2024-03-08*

Brand Name : *See Label*
Type : *Face Mask*
Model N : *9591, 9501, 9001*

Manufacturer :
Address :

Standard Used : EN 149:2001+A1:2009

Conclusion :
After inspection of the technical documentation issued by the customer, and in his request, we express our opinion that the product meets the technical requirement of the following directives and standards:
(EU)2016/425 Personal protective equipment (PPE)

This opinion is only valid for the directive, the equipment and configuration described, in conjunction with the test data detailed above and with compliance with all applicable legal requirement for the product .
The following manufacturer documents was inspected:

Presence of Declaration of conformity template	✔ OK
Presence of test report using standards as indicated in the declaration of conformity Test report reference : PPE	✔ OK
Presence of CE symbol in the product label.	✔ OK
Presence of instruction manual	✔ OK
Use of valid Harmonized standard in the declaration of conformity	✔ OK
Presence of product description in the technical construction file	✔ OK

Check the authenticity of this certificate and related information before use in the web site www.celab.com introducing the UCN number in the 'Check document authenticity' area. You will see copy of this certificate and regulation on certificate use. This document is released only for scope allowed by laws- Do not use this document without full understanding of regulation.

General Manager – CELAB

www.celab.com

Annex : Regulation for Voluntary Certification Activities

1. Release of certificate

These certificates are issued on a voluntary basis on request of manufacturer.
The certificate is released for product after inspection of the documentation relative to the technical construction file.
This Certificate is released only after that, is opinion of a CELAB approved technician, that the technical construction file (test reports, documentations, instruction manuals) demonstrate that the essential requirements indicated in the directives himself was covered.
Note: the technical requirement are related to the physical propriety of a product and his production process and not the legal requirements of directives.
When the opinion is positive, the certificate is released.
The inspection provided by CELAB is not relative to: The product; The production; The law requirements; The work performed or that will be performed by Notified Bodies.
The Inspection cover ONLY the following aspects (where applicable):

- Presence of declaration of conformity;
- Presence of test report as indicated in the certificate ;
- Presence of CE symbol in the product label template;
- Presence of Instruction manual;
- Use of actual harmonized standards as for EU official Journal;
- Presence of production description in the technical construction file.

2. Validity of certificate

All certificate have 4 years of validity. After such time the certificate will not be any more valid.

3. Withdraw of certificate

The certificate are withdraw if there is a reasonable justification that the product do not comply with the requirement of a directive, or when this agreement was not addressed.

4. Responsibility of manufacturer

As many directives require use of a Notified Body, in such case is responsibility of producer or his representative in Europe to follow all applicable directives requirement and contact.
This regulation will always be consigned together with the certificate and is a part of them, use of the certificate without text of this regulation is not allowed or accepted.
Is responsibility to the manufacturer to comply with CE marking law prescriptions.

5. Responsibility of CELAB

CELAB take no responsibility on product tested except that, in case of advice from market, CELAB will investigate on such compliant and, if found acceptable, the certificate will be withdraw.
CELAB is not responsible for the product, the production, the importing, the distribution, the sales, the advertisement, the technical assistance, the consulting or as EU mandatories.
Certificate is the result of technical opinion, given as a private owned company. There is no any warranty that the product will comply with all requirements of directives or a law.
CELAB is not responsible for CE marking of the product indicated in the certificate.

6. Responsibility of user of certificate

Is responsibility of the user of the certificate to comply with all laws requirements. Only as a general reference, the user of certificate will need to get copy of test-report from his supplier and be responsible for technical construction file. User of the certificate take full legal responsibility on such use.
Such certificate are not legal requirements except when used between private company as a specific contract agreement between them.
User of certificate need to full comply with applicable requirements indicated in such directives. User of certificate are not allowed to induce the market on a different destination of use of the certificate different from what stated in this agreement. Use of certificate of conformity is restricted to expert in CE Marking field that can fully understand scope of this certificate and is not for general public.
This certificate cannot be publicized in a misuses or in a way that It can confuse general public. The user of the certificate will Always do not use the certificate for customs control or public authority requirement control.

7. Scope of the certificate.

The ONLY Scope of this kind of certificate is :

- Allow the manufacturer to demonstrate to a customer that a product was tested without need to give him test reports (if both accepted by manufacturer and by the customer);
- Allow a private customer to have an evidence that an independent 3th part have inspected the documentation on voluntary basis.

The certificate provide an added value for manufacturer in situation where the manufacturer don't want to provide to his customer the test reports (if not required by law).
Such certificate will need to be used only as demonstration that a sample of a product was really tested between companies that recognize this agreement. Such certificate are not required by law (as they are voluntary certificate), and are intended to be used between private company for commercial issue. These certificate where not to be used to demonstrate conformity of the product to authority or for government control. The certificate are not an authorization by CELAB to put the CE marking on the product.
The Certificate is not a legal requirement for CE marking activities. Is the opinion of CELAB that manufacture can provide the CE marking in the product IF he comply with all prescription of the directives. The Certificate is not a declaration of conformity or an attestation of conformity. Note that some directive require use of Notified Body, the certificate of conformity and the certificate of compliance are NOT related to Notified Body work and are not related to law requirements.
The certificate is a Technical Opinion issued by CELAB to the manufacturer of the product where, after review of document issued by manufacturer, CELAB certify his opinion regarding the conformity between the product and the prescription of the standard and/or the technical requirement of the directive.
The certificate where not issued in the role or the task of Notified Body or accredited testing laboratory or accredited certification body. Warning : do not confuse this certificate with certificates issued by notified bodies. In case of doubt on using this certificate, do not use it and consult a consultant or expert or contact CELAB for request of information at celab@celab.com

8. Technical construction File storage

The technical construction file is normally not stored in CELAB archives, after review of CELAB the documents were not archived in the CELAB databases. Is responsibility of the manufacturer that the documents is available for law requirements. CELAB is not responsible for the storage of the technical construction file.
Note : that the technical construction files for activities related to CE marking will need to be available in Europe.

9. CE Marking General information's

All person/company/body involved on a CE marking product are responsible to perform all task indicate in the directive. Full text of directive can be found in European Union Web Site : http://ec.europa.eu/growth/index_en
We recommend to search in such web site full information about CE marking related directives.