



Certificate of Verification PPE Test Report

Report No. : NPS020040504-CE
Applicant : Dongguan Li An Electronic Technology Co.,Ltd
Address : room 202,No.1 building,No.5 Huangjiabao industrial south road,shipai town,dongguan city,guangdong province
Manufacturer : Dongguan Li An Electronic Technology Co.,Ltd
Address : room 202,No.1 building,No.5 Huangjiabao industrial south road,shipai town,dongguan city,guangdong province

Equipment Under Test (EUT)

Trade Name : BTANAN
Product Name : Disposable Face Masks
Model No. : 3PLY-Masks
PPE Directive : Class I
Standards : EN 149:2001+A1:2009 Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking
Classifications : FFP1
Date of Receipt : April 8, 2020
Date of Test : April 8, 2020 to April 20, 2020
Date of Issue : April 20, 2020
Test Results : PASS



Reviewed by:

Jerry Chou
(Chief Engineer)

Prepared By:

NPS Laboratory Company Limited

DE Phone:+496980925918

Certificate Query System <http://online.nps.gs>

e nps@nps.gs

HK Phone:+852-53700017

China Phone:+86-769-87015678

www.nps.hk

e nps@nps.hk

NPS building, No.160,GuanChang Road, ChangAn Town, DongGuan City, GuangDong Province, China 523855

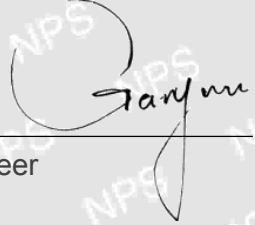
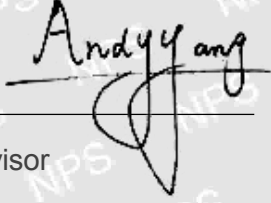
The sample detailed above has been tested to the requirements of Council Personal Protective Equipment (PPE) Directive (EU)2016/425. The test results have been reviewed against the Directives above and found to meet their essential requirements.

TEST REPORT

ITEMS FOR ATTENTION:

1. This report is submitted for the exclusive use of the client to whom it is addressed.
2. It would be invalid test report without specific stamp for test institute or the authority.
3. It would be invalid duplicated report without specific stamp for test institute or the authority.
4. It would be invalid test report without all the signatures of reporter, reviewer.
5. It would be invalid test report, if there is any scrawl in the test report without official authorization.
6. Any disputes about the report must be submitted for test laboratory 15 days from the day when the report is received, otherwise that would be invalid out of expiry.
7. Generally, the responsible is only for the samples in entrusted test.

TEST REPORT

Product Detail	Trade Name	BTANAN
	Product Name	Disposable Face Masks
	Model	3Ply-Masks
Test Content	Test Items	CE Machinery Personal Protective Equipment (PPE) Directive (EU)2016/425
	Test Requested	EN 149:2001+A1:2009
	Test Method	Tests for compliance with the EN 149、EN 132、EN 134、EN 143、EN 13274-7、ISO 6941
	Classifications	FFP1
	Test Result	Pass
	Conclusion	The submitted samples complied with the requirement of above Standards.
Test Laboratory	Laboratory Name	NPS Test Laboratory DongGuan
	Address	NPS building, No.160,GuanChang Road, ChangAn Town, DongGuan City, GuangDong Province, China 523855
Remark	<p>1) When determining for test conclusion, measurement uncertainty of tests has been considered.</p> <p>2) This report shall not be reproduced except in full without the written approval of the testing laboratory.</p>	
<p>Tested by:  Gory Wu Engineer April 20, 2020</p> <p>Reviewed by:  Andy Yang Supervisor April 20, 2020</p>		

TEST REPORT

Requirements

7.1 General

7.2 Nominal values and tolerances

7.3 Visual inspection

Requirement	Packaging specification (CE mark, en149 standard, manufacturer, production date, description, etc.)
Result - Remark	See the attached product packaging drawing Meet the NPS standard requirements
Conclusion	Meet the inspection requirements

7.4 Packaging

Color	Inner Layer White, Outer Layer Blue
Dimensions	175*90mm
Weight	1 Pcs = 3.35g , 10 Pcs = 33.28g
Boxing	50 Pcs / Box
Result - Remark	See the attached product packaging drawing
Conclusion	Meet the inspection requirements

7.5 Material

Ear Wire	Facial auricular
Bridge of nose	Silver metal strip
Color	Inner Layer White, Outer Layer Blue
Face cloth	1 And 3 Non Woven Fabric , 2 Medical use melt-blown nonwovens
Conclusion	Meet the inspection requirements

TEST REPORT

7.6 Cleaning and disinfecting

Requirement	Functional description of the product
Result - Remark	Disposable mask
Conclusion	Meet the inspection requirements

7.7 Practical performance

Requirement	Functional description of mask type
Result - Remark	Disposable general purpose respirator
Conclusion	Meet the inspection requirements

7.8 Finish of parts

Requirement	Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.
Result - Remark	No parts, no sharp objects, no BURR, etc.
Conclusion	Meet the inspection requirements

TEST REPORT

7.9 Leakage

Strength of attachment of exhalation valve housing

Air Valve Test	
Test Standard	EN 132, EN 134, EN 143, EN 13274-7
Test Item	Air Valve Device
Test Results	N/A (Flat mask not in use)

7.10 Compatibility with skin

Requirement	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.
Result - Remark	Disposable mask, N/A
Conclusion	Meet the inspection requirements

7.11 Flammability

Test Standard	ISO 6941:2003
Test Item	Vertical Burning Test
Test Processing	least 24 h at T: $20 \pm 2^{\circ}\text{C}$, $65 \pm 5\%$
Conclusion	Meet the inspection requirements
Test Results	Pass

TEST REPORT

7.12 Carbon dioxide content of the inhalation air

Test Item	Unit	RL (ppm)	Results
carbon dioxide content	ppm	5	N.D
Test Results	Pass		
Remarks : <ol style="list-style-type: none"> 1 ppm = 1mg/kg = 0.0001%. 2. N.D.= Not Detected(less than report limit). 3. RL= Report Limit. 4. The results shown in this test report refer only to the sample tested. 			

7.13 Head harness

Requirement	The mask strap should be cut off easily. The breaking strength of the joint of each mask band and mask band should be greater than 10N.
Results	It's easy to take the mask off Breaking strength $\geq 10N$
Conclusion	Meet the inspection requirements
Judgment	Pass

7.14 Field of vision

Requirement	Wearing a mask does not affect vision
Result - Remark	Wide field of vision without blocking the line of sight
Conclusion	Meet the inspection requirements
Judgment	Pass



TEST REPORT

7.15 Exhalation valve(s)

Test Item	Classifications	Requirements	Test Results
Penetration %(PFE)	FFP1	< 20	Pass
Filter Material %(PFE)	FFP1	< 20	Pass

Note:N/A

Classification Account for

Classification	 Maximum penetration of test aerosol 	
	Sodium chloride test 95 l/min % max.	Paraffin oil test 95 l/min % max.
FFP1	20	20
FFP2	6	6
FFP3	1	1

TEST REPORT

7.16 Breathing Resistance

Test Item	Unit	Requirements	Results
Exhalation Resistance	Pa/cm ²	Test the inhalation resistance at 30 l/min and 95 l/min continuous flow.	Pass
Note: N/A			

7.17 Clogging

Test Item	Unit	Requirements	Test Results
Breathing resistance	Pa/cm ²	Test the inhalation resistance at 30 l/min and 95 l/min continuous flow.	Pass
Note: N/A			

Breathing resistance Account for

Classification	Maximum permitted resistance (mbar)		
	inhalation		exhalation
	30 l/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

TEST REPORT

7.18 Demountable parts

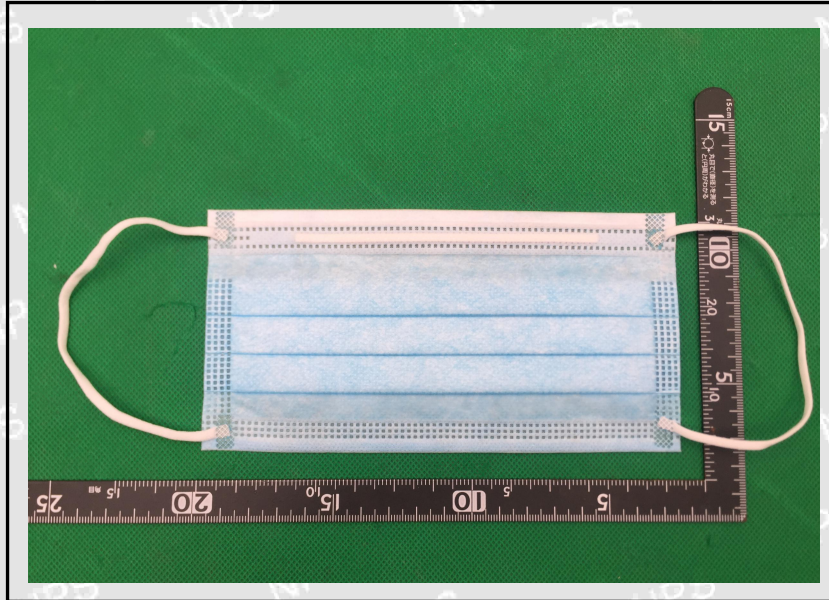
Requirement	All demountable parts (if fitted) shall be readily connected and secured, where possible by hand.
Mask Type	Disposable face mask
Conclusion	All components meet the requirements of section 7.18
Visual inspection	Pass

Nose Clip Test

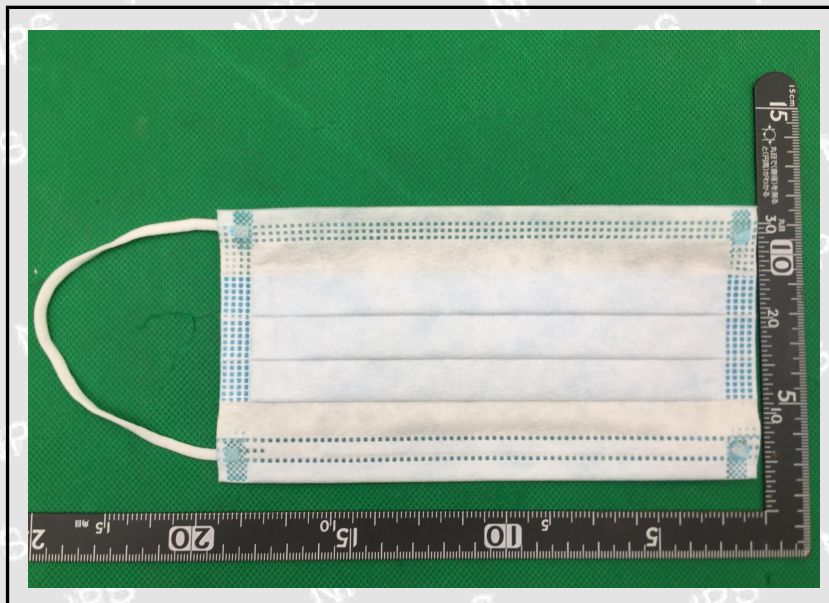
Test Item	Nose Clip
Requirement	There should be a nose clip on the mask. The nose clip can be made of plastic material. Length of nose clip $\geq 8.0\text{cm}$
Results	The mask is equipped with a nose clip made of a plastic material. Length of nose clip: 11.2cm
Result - Remark	Disposable general purpose respirator
Judgment	Pass

TEST REPORT

Product Photograph



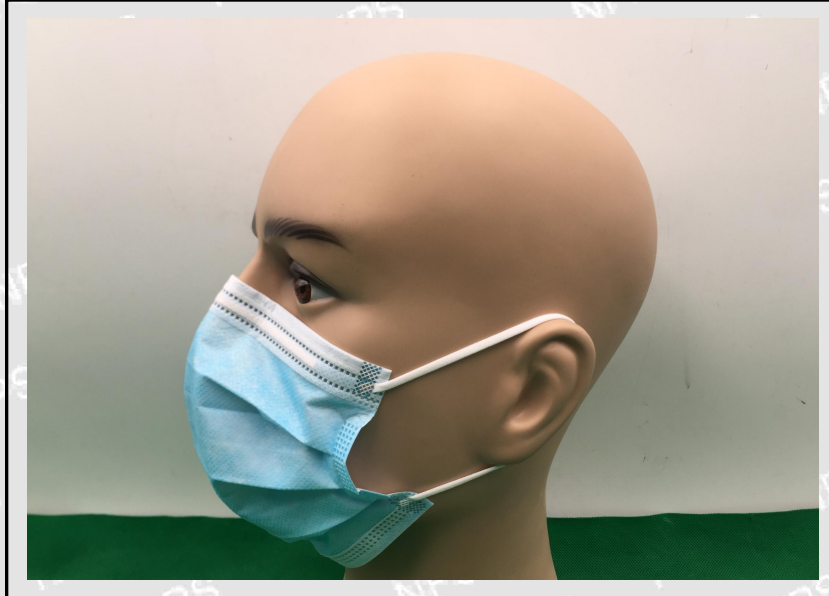
Test Sample Fig 1



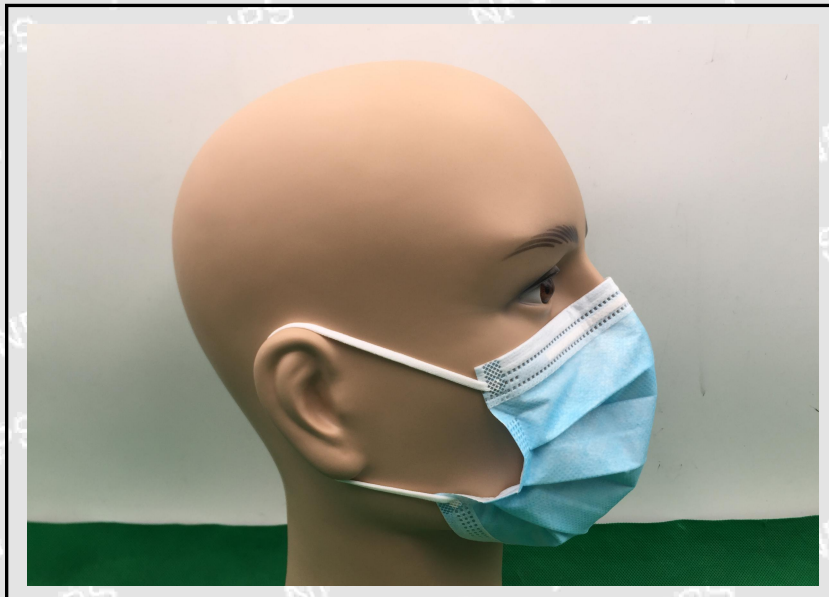
Test Sample Fig 2

TEST REPORT

Product Photograph



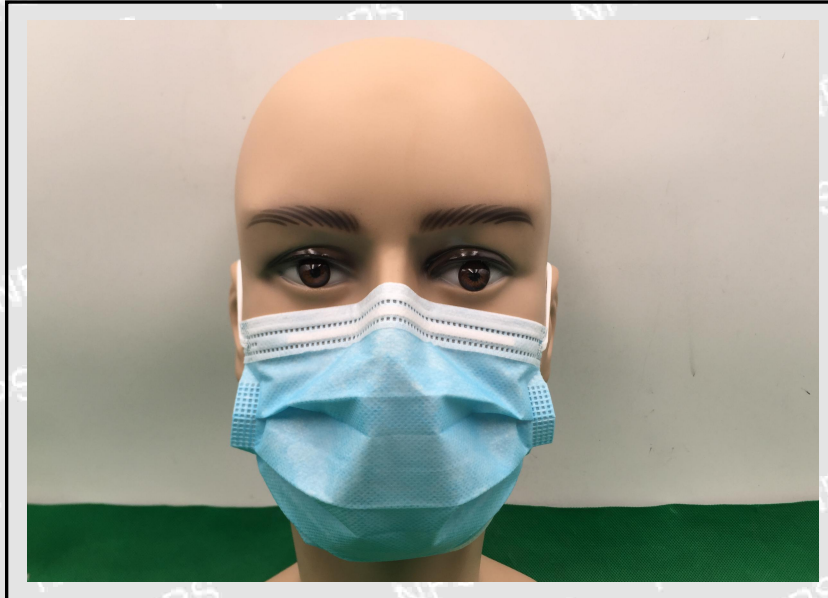
Test Sample Fig 3



Test Sample Fig 4

TEST REPORT

Product Photograph

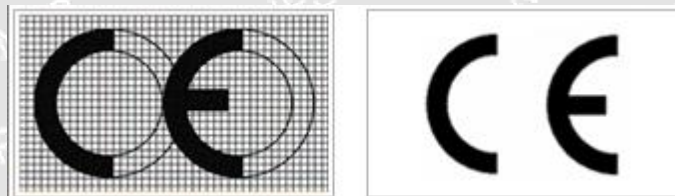


Test Sample Fig 5

CE Label

1. The CE conformity marking must consist of the initials 'CE' taking the following form:
If the CE marking is reduced or enlarged, the proportions given in the above graduated drawing must be respected.
2. The CE marking must have a height of at least 5 mm except where this is not possible on account of the nature of the apparatus.
3. The CE marking must be affixed to the product or to its data plate. Additionally it must be affixed to the packaging, if any, and to the accompanying documents.
4. The CE marking must be affixed visibly, legibly and indelibly. It must have the same height as the initials 'CE' Proposed Label Location on EUT

EUT Bottom View/proposed CE Mark Location



NPS.GS

End of Report