



# TEST REPORT



No.: WT204022432

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**Sample Description:** Medical Surgical Face Mask

**Model/Specification/Grade:** -----

**Applicant:** Dongguan City Raymed Intelligent Medical Science Co Ltd

**Applicant Address:** Building 1 No.153 Guanchang RD Dongchen Str. Dongguan City.  
Guangdong Province

**Date of Receipt:** 2020-04-13

**Test Period:** 2020-04-13 to 2020-04-20

**Test Location:** Longhua Experimental Base

Shenzhen Academy of  
Metrology & Quality Inspection  
(Stamp)



Approved by:

邓海英

Issue Date: 2020-04-20

Signature:

邓海英



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投诉电话：0755-86009898-31206 (西丽Xili)

0755-26941613 (龙珠 Longzhu)

Complaint hotline: 0755-27528392 (龙华 Longhua)



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### Sample Information:

Sample Description: Medical Surgical Face Mask

Trade Mark: -----

Model/Specification/Grade: -----

Serial/Batch No. of Sample: -----

Manufactured Date: -----

Manufacturer: -----

Manufacturer Address: -----

Sample Quantity: 50PCS

Sample Description before Testing: Normal.

### Client Information:

Applicant: Dongguan City Raymed Intelligent Medical Science Co Ltd

Applicant Address: Building 1 No.153 Guanchang RD Dongchen Str. Dongguan City. Guangdong Province

Applicant Telephone: 18922519960

Applicant Post Code: -----

### Test Information:

Date of Receipt: 2020-04-13

Applicant No.: 8283114

Environment Condition: (18~25) °C (30~70) %RH

Sampling Method: Delivered by Applicant

Judgment Basis: YY 0469-2011

Test Standard: YY 0469-2011 and other method standards refer to next pages

### Test Conclusion:

Test result refer to next pages.

Tested by: 林月明 林月明

Checked by: 王燕归

王燕归



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Test Item	Requirement	Test Result	Conclusion
1. Structure and size (YY 0469-2011)		(YY 0469-2011)	
1). Structure	4.2Requirement	1#~3#Conformity	Conformity
2). Size	4.2Requirement	measured values (cm) 1# 2# 3# length: 16.7 16.8 16.9 width: 9.7 9.7 9.7	—
2. Nose clip (YY 0469-2011)		(YY 0469-2011)	Conformity
	4.3.1Requirement	1#~3#Conformity	
	4.3.2Requirement	1# 2# 3# length(cm): 10.9 11.0 11.0	
3. Mask string (YY 0469-2011)		(YY 0469-2011)	Unconformity
	4.4.1Requirement	Conformity	
	4.4.2Requirement	1#、2#、4#、5#、6#、7#、8#、10#、12#:Conformity 3#: The mask belt is dropping off from connection part of the mask body at 7.8N.  9#: The mask belt is dropping off from connection part of the mask body at 4.2N.  11#: The mask belt is dropping off from connection part of the mask body at 8.3N.  (1#、2#、4#、5#、6#、7#、8#、10#、12#: fixed load:10N, lasting for 5s)	





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Test Item	Requirement	Test Result	Conclusion
4. Synthetic blood penetration (YY 0469-2011)	No any penetration of synthetic blood penetration on the inside of the mask.	(YY 0469-2011) 1#~3#Conformity	Conformity
5. Bacterial filtration efficiency (BFE) (%) (YY 0469-2011)	≥95	(YY 0469-2011) 1# 2# 3# 100 99 99	Conformity
6. Filtration efficiency Particle filtration efficiency (PFE) (%) (YY 0469-2011)	≥30	(YY 0469-2011) 1# 2# 3# 81.58 80.71 82.20  Aerosol chamber: NaCl Concentration of aerosol chamber: 15mg/m <sup>3</sup> Temperature: 22.5℃ Relative humidity: 34.5% Flow: 30L/min	Conformity
7. Differential pressure (Pa/cm <sup>2</sup> ) (YY 0469-2011)	≤49	(YY 0469-2011) 45.1 Flow: 8L/min	Conformity



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Test Item	Requirement	Test Result	Conclusion
8.Flame resistance Burning time (s) (YY 0469-2011)	≤5	(YY 0469-2011) 1# 2# 3# Afterflame time(s): 0.0 0.0 0.0 afterglow time(s): 0.0 0.0 0.0 Time summation(s) : 0.0 0.0 0.0  The linear velocity of the head mould at the tip of nose :60mm/s  Flame temperature at 20mm from the top of the burner: 817℃  Test gas: butane	Conformity
9. Microorganisms (YY 0469-2011)		(GB 15979-2002)	Conformity
Total amount of bacterial colony (CFU/g)	≤100	40	
Coliform group	No detected	Not detected	
Pseudomonas aeruginosa	No detected	Not detected	
Staphylococcus aureus	No detected	Not detected	
Streptococcus hemolyticus	No detected	Not detected	
Fungal colony	No detected	Not detected	



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Note:

Photo(s) of the sample(s):



END OF REPORT