

REPORT NUMBER:

SHAT06556675

Original Sample Photo



TEST REPORT

Number : SHAT06556675

Applicant : DANYANG SUNMED HEALTHCARE CORP.
NO. 3 NORTH SECOND RING ROAD
DANYANG CITY, JIANGSU PROVINCE
Attn : WEI CAIXIA

Date : Jul 17, 2020

Sample Description As Declared :

No. Of Sample : Several
Material : Non - Woven + Melt - Blown Fabric
Sample Name : Disposable Face Mask
Finishing : -
End Uses : -
Colour : Blue
Style No. : KN001/KN-FM-N01/P265.885
Order No./PO No. : -
Standard : EN 14683: 2019+AC: 2019
Ratings : Type II
Buyer's Name : -
Manufacturer's Name : Hubei Kangning Protective Products Co., Ltd
Ref. : -

Applicant's Provided Care Instruction/Label : -

Date Sample Received : Jul 01, 2020

Date Testing Started : Jul 02, 2020

Conclusion:

Summary of testing:

With reference to following standard:

- EN 14683:2019+AC:2019 Medical face masks – Requirements and test methods Type II

Materials Used in The Submitted Sample Were Found To Comply With The Type II Requirements of EN 14683:2019+AC:2019 with respect to Bacterial Filtration Efficiency, Differential Pressure and Microbial Cleanliness tests.

Prepared And Checked By:
For Intertek Testing Services Ltd., Shanghai



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General Manager



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Attention is drawn to the terms and conditions printed overleaf

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Tests Conducted (As Requested By The Applicant)

1 Bacterial Filtration Efficiency (BFE)

As Per EN 14683:2019+AC:2019 Medical face masks – Requirements And Test Methods Annex B.

<u>Test Item</u>	<u>Results (%)</u>					<u>Performance Requirement for Medical Face Mask (%)</u>
	Specimen (1)	Specimen (2)	Specimen (3)	Specimen (4)	Specimen (5)	
Bacterial Filtration Efficiency (BFE)	99.7	99.4	99.8	99.6	99.9	Type II: ≥98

Remarks:

1. Biological Aerosol: *Staphylococcus aureus* (ATCC 6538).
2. Testing side: Outside of the test specimen was facing towards the challenge aerosol.
3. Test area: 78 cm²
4. Flow rate: 28.3 L/min
5. The average plate count results of the positive controls: 2.5x10³ CFU
6. The average plate count results of the negative controls: < 1 CFU
7. CFU = Colony Forming Unit

Remark: This Test Was Conducted By Intertek Testing Services Guangzhou Ltd.

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2 Differential Pressure (EN 14683:2019+AC:2019 Annex C):

Air flow: 8L/min, Test area diameter 25 mm, Test area: 4.9 cm².

<u>Tested Sample</u>	<u>Result (Pa/cm²)*</u>					<u>Performance Requirement for Medical Face Mask (Pa/cm²)</u>
	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5	Type II: < 40
Location 1	19.2	24.3	24.3	23.0	27.7	
Location 2	23.1	24.3	25.0	22.3	23.7	
Location 3	25.1	20.3	22.8	25.0	25.4	
Location 4	22.7	20.7	22.4	23.5	25.2	
Location 5	22.6	19.3	21.3	26.0	25.3	
Average	22.5	21.8	23.2	24.0	25.5	
* = All the locations were evenly taken from the main mask body.						

Remark: This Test Was Conducted By Intertek Testing Services Guangzhou Ltd.

3 Microbial Cleanliness

As Per EN 14683:2019+AC:2019 Medical Face Masks-Requirements and Test Methods Annex D.

<u>Test Item</u>	<u>Result (cfu/g)</u>					<u>Limit (cfu/g)</u>
	Specimen (1)	Specimen (2)	Specimen (3)	Specimen (4)	Specimen (5)	
Microbial Cleanliness	2	<1#	<1#	2	2	Type II: ≤30

Remark:

cfu = colony forming unit

≤ = Not more than

= No colony was detected at the extraction liquid of the samples.

Remark: This Test Was Conducted By Intertek Testing Services Guangzhou Ltd.

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4 Product Size Measurement:

Width >10 cm

End of Report

Remark: This statement of conformity is only based on the actual measured test result by the laboratory, without taking the influence of uncertainty into account.

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