

試験報告書

依頼者 Dacian Technology Material Co., Ltd 殿
品名 マスク 1点
試験項目 バクテリア飛沫捕集(ろ過)効率(BFE)他

平成29年11月14日付けで当所に提出された試料の
試験結果は、下記のとおりです。

平成29年11月17日

カケン

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一般財団法人 **カケンテストセンター**
大阪事業所 生物ラボ
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記

試験結果

1. マスクの人工血液バリア性

試料 ^{*2}		圧力 ^{*1}		
		10.6kPa (80mmHg)	16.0kPa (120mmHg)	21.3kPa (160mmHg)
dc face mask	1	○	○	○
	2	○	○	○
	3	○	○	○
	4	○	○	○
	5	○	○	○

注^{*1} ○:浸透なし ×:浸透あり

^{*2} 依頼者の指示により、測定回数を5回とした。

2. BFE

試料	バクテリア飛沫捕集(ろ過)効率(%)			
	No.1	No.2	No.3	平均
dc face mask	99.8	99.9	99.9	99.9

3. 圧力損失

試料	圧力損失 (mmH ₂ O/cm ²)					平均
	No.1	No.2	No.3	No.4	No.5	
dc face mask	3.8	4.3	4.4	5.0	4.2	4.3

試験方法

マスクの人工血液バリア性:ASTM F1862 (ISO 22609)

バクテリア飛沫捕集(ろ過)効率(BFE)試験:ASTM F2101-14

供試菌:黄色ぶどう球菌・*Staphylococcus aureus* ATCC 6538

圧力損失:MIL-M-36954C

KAKEN**Kaken Test Center GENERAL INCORPORATED FOUNDATION**2-5-19, Edobori, Nishi-ku, Osaka, 550-0002/ Japan
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Kaken Test Center is formerly named as "Japan Synthetic Textile Inspection Institute Foundation(JSTIIF)".

No.1/2

Test report No. : OS-17-052767-6

Date : November 17 , 2017

TEST REPORTRequested : Dacian Technology Material Co., Ltd
Test sample : Face mask 1 sample
Test items : Bacterial Filtration Efficiency (BFE) and others
Received : November 14, 2017**This is to report that the results of laboratory test applied on the sample are as follows:****1. Test result****1.1. Resistance to penetration by synthetic blood**

Test Sample *		Pressure		
		10.6kPa (80mmHg)	16.0kPa (120mmHg)	21.3kPa (160mmHg)
dc face mask	1	Pass	Pass	Pass
	2	Pass	Pass	Pass
	3	Pass	Pass	Pass
	4	Pass	Pass	Pass
	5	Pass	Pass	Pass

*The number of measurements was set to five times by the client.

1.2. Bacterial Filtration Efficiency (BFE)

Test sample	BFE (%)			
	No.1	No.2	No.3	Average
dc face mask	99.8	99.9	99.9	99.9

(To be continued on No.2/2)

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No.2/2

Test report No. : OS-17-052767-6

Date : November 17 , 2017

TEST REPORT

(Continued from No.1/2)

1.3. Differential pressure

Test Sample	Differential pressure (mmH ₂ O/cm ²)					
	No.1	No.2	No.3	No.4	No.5	Average
dc face mask	3.8	4.3	4.4	5.0	4.2	4.3

2. Test method: Resistance to penetration by synthetic blood : ASTM F1862 (ISO 22609)
Bacterial Filtration Efficiency (BFE) : ASTM F 2101-14
Test Bacteria : *Staphylococcus aureus* ATCC 6538
Differential pressure : MIL-M-36954C

3. Sample:

(EN KAKEN K)

Kaken Test Center General Incorporated Foundation
Osaka Laboratories
Biological Laboratory

Inspector : 中曾根 吾明
T. Nakasone

Period.