



## Confidential Report

**Our Ref: 65565-1**



Date: 12/07/22  
Our Ref: 65565-1  
Your Ref: 83A17967  
Client: Camira Fabrics  
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Client: Camira Fabrics

Address: Meltham Mills  
Meltham  
Holmfirth  
HD9 4AY  
United Kingdom

Job Title: Antibacterial testing

Clients Order Ref: 83A17967

Date of Receipt: 01/07/22

Description of sample(s): The sample labelled as below was received in good condition.

1.- Halcyon Aspen / C15319B1 / Dewdrop

Work Requested: AATCC 147:2016

*This report relates only to the items tested. Enquiries concerning this report should be address to Customer Services.*



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### Introduction

One sample was received labelled as above, for testing to AATCC 147: 2016. The client requested testing the face only. Testing commenced on the 06/07/2022.

### Methodology: AATCC 147:2016

An inoculum of *S. aureus* NCIMB 9518 was prepared by transferring  $1 \pm 0.1$  ml of a 24-hour nutrient broth culture into  $9 \pm 0.1$  ml of sterile distilled water.

Using a 4mm inoculating loop, one loopful of the diluted inoculum was transferred to the surface of a sterile nutrient agar plate by making five 60 mm long parallel streaks spaced 10 mm apart without refilling the loop.

The non-sterile test specimen was then placed transversely across the five inoculum streaks. This was performed in triplicate.

The replicates was then incubated at  $37 \pm 2$  °C for 24 hours and repeated with *K.pneumoniae* NCIMB 10341.

The zone of inhibition around the specimen was determined according to the method stated in Section 11 in AATCC Test Method 147:2016.

Controls were performed ensuring that both bacteria did grow adequately.

### Results

The replicate samples were examined for any zone of inhibition and if there was any growth under the sample.

The following key is used in the tables below.

W = Width of clear zone of inhibition.

### *S.aureus* ATCC 6538

Sample: 1.- Halcyon Aspen / C15319B1 / Dewdrop	Specimen	Average W (cm)	Growth under sample
Face	1	0.71	No Growth
	2	0.66	No Growth
	3	0.65	No Growth

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**K.pneumoniae ATCC 4352**

Sample: 1.- Halcyon Aspen / C15319B1 / Dewdrop	Specimen	Average W (cm)	Growth under sample
Face	1	0.48	No Growth
	2	0.43	No Growth
	3	0.37	No Growth

**Comments and Conclusions**

There was no contamination of the sample as this was verified with incubating under the same test conditions, without the test bacteria.

The control samples performed as expected and proved the validity of the testing.

The criterion for passing the test must be agreed upon by the interested parties.

The standard states that to constitute acceptable antibacterial activity, there must be no bacterial colonies directly under the sample in the contact area.

Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account.

Under our Policy we have used a non-binary decision rule. See our decision rules Policy (<http://www.bttg.co.uk/decision-rules-policy>) for further information.

Estimated uncertainty of measurement where  $k=2$  (approximately 95% confidence level) =  $\pm 0.25$  log units.

Reported by: ..... 

Cristina Alepuz  
Section Leader

Countersigned by: ..... 

Gareth Heywood  
Manager