

TEST REPORT

Applicant: Chitton Biotechnology Co. Ltd.
Room 9, 20/F.,
Global Gateway Tower,
63 Wing Hong Street,
Cheung Sha Wan,
Kowloon,
Hong Kong

Report number: IRITS2020007130002

Date: 13 July 2020

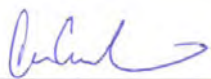
Attn.: Leo Cheng

Sample Description as Declared:

No. of Sample: One (1) piece of each said to be Chitton Pro3 Mask (90 g/m²) in zipper bag packaging
#1 Original without wash
#2 After washing 20 times
#3 After washing 40 times
#4 After washing 60 times
#5 After washing 80 times
Colour: Navy/light blue with white ear-loop
Date Received: 30 June 2020
Testing Period: 2 – 10 July 2020
Tests Conducted: As requested by the Applicant, with the details as follow:

Testing Summary: The sample being tested was conditioned for a minimum of 4 hour at 21 ± 5 °C and relative humidity of 65 ± 5 %. The bacterial filtration efficiency (BFE) test was performed by producing an aerosol spray of challenge bacterium *Staphylococcus aureus* in peptone water using a nebulizer. The aerosol was then drawn through the material being tested following by a tryptic soy agar plate under vacuum (flow rate: 100 Litres per minute). Number of *Staphylococcus aureus* colonies formed on the tryptic soy agar plate were counted after incubated at 37 ± 2 °C for 48 ± 4 hr. The BFE test procedure was modified from ASTM F2101: 2019.

For and on behalf of
Institute for Research in Innovative Technology & Sustainability
The Open University of Hong Kong



Dr. Eric Tung-po Sze
Director

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Results:

Test Sample Number	Bacterium Colonies Formed	Bacterial Filtration Efficiency
#1	10	99.4%
#2	17	99.0%
#3	35	97.9%
#4	41	97.6%
#5	14	99.2%
Negative Control	N.D. ^a	N/A ^b
Positive Control	1690	N/A ^b

^a None Detected (N.D.) – There were no detected bacterium colony of *Staphylococcus aureus* found

^b N/A – Not Applicable

Remark: Washing processes were conducted by the customer and the details of washing information were provided by the customer. All samples were tested as received.

Sample Photos:



<End of Test Report>