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CERTIFICATE OF ANALYSIS

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Lab No : PJ-D/MS/1750/17

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Sample Description : One (1) sample of Fabric in Eye Frame
Sample Marking : EYE FRAME (IONSPEC & NANOSPEC)
Date Sample Received : 5th July 2017
Date Analyzed : 12th July 2017 – 15th July 2017
Date Reported : 15th July 2017

MICROBIOLOGICAL ANALYSIS :

Challenge Test

Procedure :

- 1) Prepare inoculum of organism below at 10^5 cfu/ml.
 - a) *Staphylococcus aureus* ATCC 6538
 - b) *Escherichia coli* ATCC 8739
 - c) *Pseudomonas aeruginosa* ATCC 9027
- 2) Prepare the sample into three (3) portions and inoculate 1 ml of each inoculum above onto product (on the top smooth surface) respectively and allow it to contact for 1 min and 24 hours.
- 3) Dilute/soak the sample with 9 ml diluent (sterile saline) (1:10 dilution) and proceed with serial dilution by transferring 1 ml from 1:10 dilution into 9 ml sterile saline up to necessary dilution.
- 4) Pipette 1 ml of each dilution into duplicate plates.
- 5) Pour approximately 15-20 ml of Tryptic Soy Agar into all plates and allow it to solidify.
- 6) Incubate all plates at 35°C for 48 hours and count the colonies observed after completion of incubation.
- 7) Initial count for each inoculum was also recovered.
- 8) Calculate the percentage of kill for all organisms as follows :

$$\frac{\text{Initial Count} - \text{Count of organism survive}}{\text{Initial Count}} \times 100\%$$


Sam Loo Y. M.
 B.Sc., AMIC
 QA Manager

THE ABOVE ANALYSIS IS BASED SOLELY ON THE SAMPLES SUBMITTED BY THE CUSTOMER

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