

TEST REPORT: 7191246355-CHM20-01B-RC

Date: 20 OCT 2020

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Client's Ref:

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SUBJECT

Microbiological Analysis

CLIENT

PROMEDUSA Pte Ltd
116 Middle Road
#09-01E, ICB Enterprise House
188972 Singapore

Attn: Mr. Paul Sussman

SAMPLE SUBMISSION DATE/ TEST DATE

01 Oct 2020/ 07 Oct 2020

DESCRIPTION OF SAMPLE

One sample labelled as follows was submitted.

Product Name: ProMedUSA Model UV SG600T36 MiniPro Ozone Generator
Model Number / Serial Number: UV SG600T36 MiniPro / SG60 T36 9027
Manufacturer: OEM for ProMedUSA by CrystalAir Products and Services, Langley BC, Canada

METHOD OF TEST

The test was conducted as per protocol agreed by Client. Details are as below.

The test microorganisms used was : Methicillin Resistant *Staphylococcus aureus* (NCTC 12493)

Test Outline:

1. Test organism was prepared at a concentration of minimum 10^6 – 10^7 CFU. Inoculum of 500 μ l was inoculated on sterile petri dish and allowed to dry at 35°C for approximately 1 hour.
2. After drying, the plate was placed in the test chamber (40 cm x 50 cm x 100 cm) together with test sample.
3. The test sample was activated for 30 minutes.
4. After the exposure, the petri dishes were extracted for microbiological enumeration test.
5. 10 ml of eluent was added to the petri dish and it was gently agitated to dislodge the bacteria.



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6. The suspension was then enumerated using pour plate method and spiral plate method using Tryptone Soy Agar. The plates were incubated at 32.5°C for 72 hours.
7. The counts were then compared to untreated control to obtain reduction percentage using formula below:

$$(\text{Untreated Count} - \text{Treated Count}) / \text{Untreated Count} \times 100\% = \text{Reduction percentage}$$

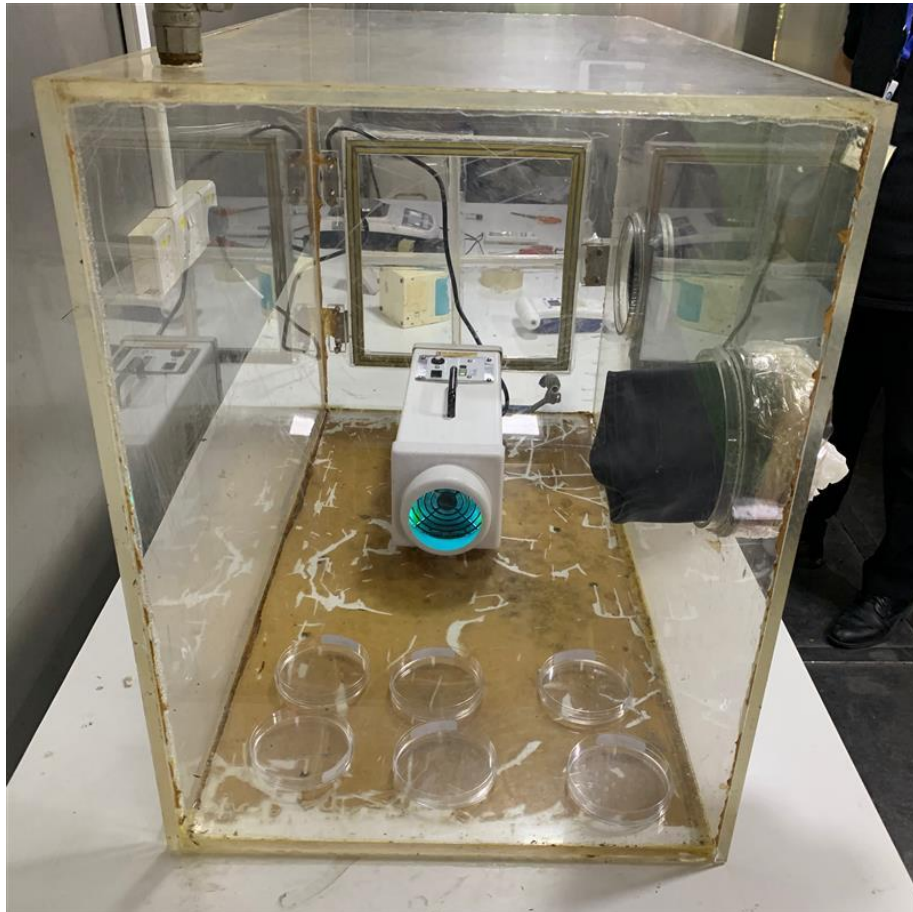


Figure 1: Setup of ProMedUSA Model UV SG600T36 MiniPro Ozone Generator in test chamber.

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RESULTS

Sample Description: ProMedUSA Model UV SG600T36 MiniPro Ozone Generator

Test Microorganism : Methicillin resistant *Staphylococcus aureus* (NCTC 12493)

Exposure Time	Mean Untreated Count (CFU)	Mean Treated Count (CFU)	Reduction Percentage (%)
30 minutes	3 300 000	110 000	96.67

Note :

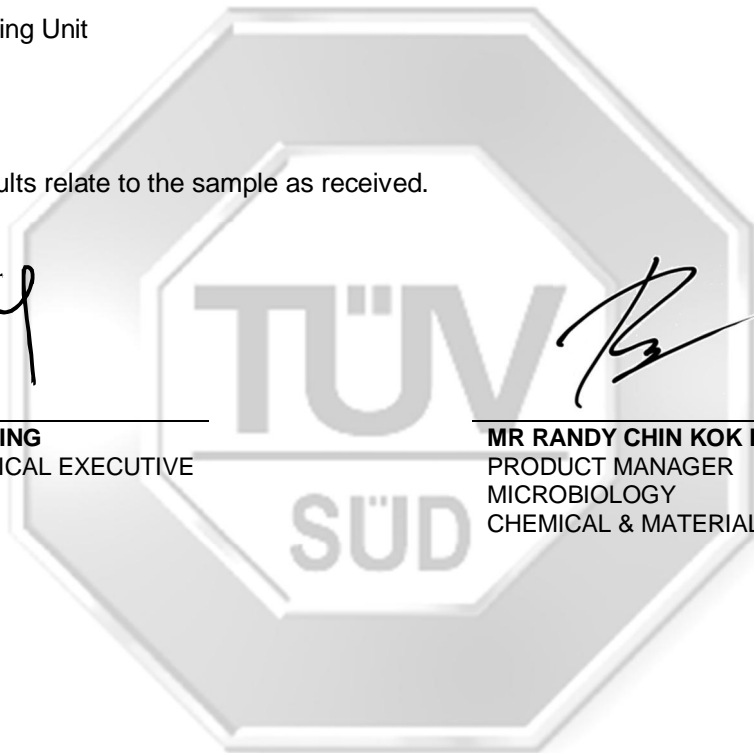
CFU : Colony Forming Unit

Remarks :

The above test results relate to the sample as received.

MS AW HWEE YING
HIGHER TECHNICAL EXECUTIVE

MR RANDY CHIN KOK FEI
PRODUCT MANAGER
MICROBIOLOGY
CHEMICAL & MATERIALS



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Effective 01 September 2020

