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REPORT


Lab No : AC/WE/2423/19
Company Name : Champs Industrial Pte Ltd
Date Received : 27/03/2019 Date Reported: 01/04/2019
Sample Description : Seven samples of Water
Date Tested: 27/03/2019-29/03/2019


The samples consisted of 7 x 150mL containers of water marked as shown below.

On microbiological examination, the following results were obtained:

Sample Marking	Standard Plate Count (as <i>Escherichia .coli</i>) @ 35°C/48 hrs, CFU/mL APHA 9215 C
1	3.7×10^3
2	10
3	40
4	2.3×10^2
5	2.6×10^2
6	2.5×10^2
7	2.0×10^2

Note: 1. < – Less than
2. CFU – Colony Forming Units


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LUMISTRRAW Prototypes Validation Tests

During the course of research and development, the team designed and evaluated different prototype vessels to find the best design for the final LUMISTRRAW product.

- ***Analysis of Lab No report AC/WE/2423/19***

Sample 1 is the control

Sample 2 and Sample 3 reflects the disinfection by prototype LUMISTRRAW designs.
(> 99% disinfection)

These designs were further fine-tuned and used for the final LUMISTRRAW product.

Samples 4, 5, 6 and 7 reflect other experimental prototype vessel designs.
(~ 92% disinfection)

As reported, the percentage disinfection by the prototype LUMISTRRAW designs shows 99% disinfection.