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TEST REPORT SUMMARY

This is to report that, at the request of Dr. Herman TSUI of Interactive Systems & Technologies Limited, the undersigned carried out tests on a germicidal unit claimed to be developed using the special controlled technique applied to the designated conditions and various strength of the four states of matter (Plasma). A series of tests was conducted to verify the disinfection capability of this unit against selected representative microorganisms. The tests were performed at different times in 2005 and the results of the disinfection efficacy of the germicidal unit are summarised in the following table.

Microorganism	Disinfection Efficiency (%)	Note
Bacteria		
Micrococcus luteus	100	(a)
Pseudomonas aeruginosa	98	(a)
Staphylococcus sp.	100	(a)
Fungi		
Penicillium corylophilum	100	(a)
Cladosporium cladosporioides	85	(a)
Aspergillus versicolor	91	(b)
Stachybotrys sp.	93	(b)
Yeast		
Rhodotorula sp.	100	(a)

Notes

(a) Survival test:-

$$\text{Disinfection Efficiency} = \left(1 - \frac{\textit{Survival Count of the Plasma treated Sample}}{\textit{Microbe Count of the Control Sample}}\right) \times 100\%$$

(b) Germination test:-

$$\text{Disinfection Efficiency} = \left(1 - \frac{\textit{Germination Percentage of the Plasma treated Sample}}{\textit{Germination Percentage of the Control Sample}}\right) \times 100\%$$

Tested By:

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