

ams Laboratories Pty Ltd

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Certificate of Analysis

Dated: 17/09/2009

CLIENT: Blue Care Co. Ltd

906/5-7 Albert Rd., Strathfield NSW 2135

OUR REF: 0909964

ATTN: Ethan Park

ORDER NO: Not given

SAMPLE DESCRIPTION:

uPang UV Steriliser

Sample tested as received.

DATE RECEIVED: 09/09/09

DATE COMMENCED: 14/09/09

EXAMINATION: Anti-microbial Activity Challenge Test

METHOD: as per Client's Instruction

The test organism was freshly subcultured from frozen protect beads into TSB by incubating @ 37°C for 18-24 hours.

Each test organism culture was initiated on TSA and incubated at 37°C overnight. The inoculum suspension was prepared and diluted in PEP water to allow the average count between $10^5 - 10^7$ cfu/mL. 0.1 mL of each test organism was inoculated onto TSA plate by spreading method to give $10^5 - 10^6$ cfu.

Each test (in duplicate) plate was directly positioned under the UV light of the uPang chamber and exposed for 10 minutes. All control plates (no exposure to UV) and test plates were incubated for 48 hours at 37°C. The surviving organisms were counted. Results are expressed as percentage reduction after 10 minute exposure in test chamber in comparison with the controls.

CONDITIONS:

Test organisms: *Staphylococcus aureus* ATCC 6538
Escherichia coli ATCC 10536
Pseudomonas aeruginosa ATCC 15442
Salmonella typhimurium ATCC10708

Contact Time: 10 minutes

Inoculum Level: Approx. $10^5 - 10^6$ Colony Forming Units (CFU) / plate

RESULTS:

Surviving organisms after Exposure to uPang UV Steriliser for 10 minutes

Test organisms	Samples	No. of organisms/plate	Percentage Reduction
<i>Escherichia coli</i> ATCC 6538	Control	3.4×10^5	-
	Test	1,0	>99,999
<i>Staphylococcus aureus</i> ATCC 10536	Control	4.9×10^5	-
	Test	0,0	>99,999
<i>Salmonella typhimurium</i> ATCC10708	Control	6.0×10^5	-
	Test	0,0	>99,999
<i>Pseudomonas aeruginosa</i> ATCC 15442	Control	3.4×10^5	-
	Test	0,0	>99,999