

ALS TECHNICHEM (M) SDN BHD

(117964-P)

9, Jalan Astaka U8/84, Seksyen U8, Bukit Jelutong, 40150 Shah Alam, Selangor.
Tel: (603) 7845 8257 Fax: (603) 7845 8258 E-mail: info@alsglobal.com.my



ALS Technichem

CERTIFICATE OF ANALYSIS

DATE : 02 April 2012
OUR REF. : ALSM44561196104
COMPANY : Soma Medical Sdn. Bhd.
92A, Lorong Maarof,
Bangsar Park,
59000 Kuala Lumpur.
Tel: 012 – 662 5272
(Attn.: Mr. Leonard Dcruz)

Page 1 of 2

DATE SAMPLE RECEIVED : 19 March 2012
SAMPLE DESCRIPTION : One Ionizer
SAMPLE MARKING : Ions 8000

MICROBIAL CHALLENGE TEST

Organism	Inoculum Count (cfu/ml)	Exposure Time / % Killed					
		0 min (cfu)	% Killed	5 min (cfu)	% Killed	15 min (cfu)	% Killed
<i>Staphylococcus aureus</i> ATCC 6538	53	-	0	51	3.77	47	11.32
<i>Pseudomonas aeruginosa</i> ATCC 9027	56	-	0	53	5.36	50	10.71
<i>Escherichia coli</i> ATCC 8739	51	-	0	51	0	45	11.76
<i>Candida albicans</i> ATCC 10231	45	-	0	43	4.44	40	11.11
<i>Aspergillus niger</i> ATCC 16404	44	-	0	44	0	40	9.09
Method Reference	USP <51>						

Organism	Inoculum Count (cfu/ml)	Exposure Time / % Killed					
		30 min (cfu)	% Killed	1 hour (cfu)	% Killed	2 hours 32(cfu)	% Killed
<i>Staphylococcus aureus</i> ATCC 6538	53	44	16.98	39	26.42	32	39.62
<i>Pseudomonas aeruginosa</i> ATCC 9027	56	46	17.86	41	26.79	35	37.50
<i>Escherichia coli</i> ATCC 8739	51	41	19.61	37	27.45	32	37.25
<i>Candida albicans</i> ATCC 10231	45	40	11.11	35	22.22	30	33.33
<i>Aspergillus niger</i> ATCC 16404	44	37	15.91	34	22.73	30	31.82
Method Reference	USP <51>						

BRANCH & COLLECTION CENTRE:

(JB): No.19, Jalan Kencana Mas 1/1,
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(KK): Mezzanine Floor, No.3, Lot 5, Lorong Kilang (SLIE),
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Laboratory Testing & Industrial Consultancy

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OUR REF. : ALSM44561196104

Organism	Inoculum Count (cfu/ml)	Exposure Time / % Killed					
		4 hours (cfu)	% Killed	12 hours (cfu)	% Killed	24 hours (cfu)	% Killed
<i>Staphylococcus aureus</i> ATCC 6538	53	27	49.06	22	58.49	14	73.58
<i>Pseudomonas aeruginosa</i> ATCC 9027	56	29	48.21	21	62.50	15	73.21
<i>Escherichia coli</i> ATCC 8739	51	27	47.06	20	60.78	12	76.47
<i>Candida albicans</i> ATCC 10231	45	27	40.00	22	51.11	15	66.67
<i>Aspergillus niger</i> ATCC 16404	44	25	43.18	19	56.82	12	72.73
Method Reference	USP <51>						

ND: Not Detected

Remark: Plates with 10^2 inoculum count were exposed to the lamp sample.

USP: United State Pharmacopoeia

Chum Wei Lon
BSc. (Hons), Biotechnology
Microbiologist

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COMPANY : Soma Medical Sdn. Bhd.
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(Attn.: Mr. Leonard Dcruz)

Page 1 of 2

DATE SAMPLE RECEIVED : 19 March 2012
SAMPLE DESCRIPTION : One Lamp
SAMPLE MARKING : SM 14H/P

MICROBIAL CHALLENGE TEST

Organism	Inoculum Count (cfu/ml)	Exposure Time / % Killed					
		0 min (cfu)	% Killed	5 min (cfu)	% Killed	15 min (cfu)	% Killed
<i>Staphylococcus aureus</i> ATCC 6538	53	-	0	46	13.21	41	22.64
<i>Pseudomonas aeruginosa</i> ATCC 9027	56	-	0	50	10.71	40	28.57
<i>Escherichia coli</i> ATCC 8739	51	-	0	45	11.76	45	11.76
<i>Candida albicans</i> ATCC 10231	45	-	0	40	11.11	33	26.67
<i>Aspergillus niger</i> ATCC 16404	44	-	0	40	9.09	37	15.91
Method Reference	USP <51>						

Organism	Inoculum Count (cfu/ml)	Exposure Time / % Killed					
		30 min (cfu)	% Killed	1 hour (cfu)	% Killed	2 hours (cfu)	% Killed
<i>Staphylococcus aureus</i> ATCC 6538	53	35	33.96	29	45.28	21	60.38
<i>Pseudomonas aeruginosa</i> ATCC 9027	56	22	60.71	19	66.07	15	73.21
<i>Escherichia coli</i> ATCC 8739	51	31	39.22	20	60.78	17	66.67
<i>Candida albicans</i> ATCC 10231	45	33	26.67	28	37.78	20	55.56
<i>Aspergillus niger</i> ATCC 16404	44	35	20.45	29	34.09	20	54.55
Method Reference	USP <51>						

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DATE : 02 April 2012

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OUR REF. : ALSM44561196105

Organism	Inoculum Count (cfu/ml)	Exposure Time / % Killed					
		4 hours (cfu)	% Killed	12 hours (cfu)	% Killed	24 hours (cfu)	% Killed
<i>Staphylococcus aureus</i> ATCC 6538	53	12	77.36	0	100	0	100
<i>Pseudomonas aeruginosa</i> ATCC 9027	56	0	100	0	100	0	100
<i>Escherichia coli</i> ATCC 8739	51	14	72.55	0	100	0	100
<i>Candida albicans</i> ATCC 10231	45	0	100	0	100	0	100
<i>Aspergillus niger</i> ATCC 16404	44	13	70.45	0	100	0	100
Method Reference	USP <51>						

ND: Not Detected

Remark: Plates with 10² inoculum count were exposed to the lamp sample.

USP: United State Pharmacopoeia

Chum Wei Lon
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Microbiologist

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