

ams Laboratories Pty Ltd

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Certificate of Analysis

Dated: 29/07/2011

CLIENT: Castle Chemicals Pty. Ltd.
16 Rural Drive
SANDGATE NSW 2304

OUR REF: 1109751-1

ATTN: Graham Hatfield

ORDER NO: 101810

SAMPLE DESCRIPTION:

1 x 5 Litre Fight Bac
Batch no. Lab. Trial
Manufacture Date: 31/05/2011

DATE RECEIVED: 14/07/11

DATE COMMENCED: 26/07/11

EXAMINATION: Hard Surface Carrier Test

METHOD: AOAC Method 991.47, 991.48 and 991.49(*Staphylococcus aureus* ATCC 6538 and *Salmonella choleraesuis* ATCC10708)

CONDITIONS:

Temperature: 20 ± 0.5°C
Dilution: 1:20
Soil: Organic (5% Horse Serum)
Contact Time: 10 min

RESULTS:

ORGANISM	ATCC REF No.	SUB-CULTURE	CARRIERS WITH GROWTH	TOTAL INOCULATED CARRIERS	ACCEPTANCE CRITERIA*
<i>Staphylococcus aureus</i>	6538	3	0	60	2/60
<i>Salmonella choleraesuis</i>	10708	3	0	60	2/60

* Maximum allowable number of carriers showing growth out of total number inoculated.

Final Result:

The sample, Fight Bac, when tested according to the conditions described herein, meet the requirements of AOAC Hard Surface Carrier test for *Staphylococcus aureus* and *Salmonella choleraesuis*

CONTROL RESULTS:

Carrier Organism Recovery:

Organism	Duplicate Counts from Individual Carriers (cfu at 10 ⁻⁵ dilution.)						Mean cfu / carrier
	1	2	3	4	5	6	
<i>Staphylococcus aureus</i>	30/24	177/198*	30/22	165/144*	26/26	19/30	3.0 x 10 ⁶
<i>Salmonella choleraesuis</i>	32/33	32/26	31/38	32/32	30/25	26/25	2.3 x 10 ⁶

cfu = colony forming units

* cfu at 10⁻⁴ dilution

These carrier recoveries conform to the method requirements.

Product Neutralisation:

The validated neutraliser was T6 (Tryptone Soy Broth with 0.6% Lecithin and 6% Tween 80). This was confirmed prior to actual testing.

Signed:



Imtiaz Ahmed
Sterile Products Testing Manager