

Report Date 11th August, 1994

Our Reference S58337NA

Castle Chemicals Pty Ltd,  
16 Rural Drive,  
SANDGATE NSW 2304

Attention: Julian Blake

**Certificate of Analysis**

EML Sample No **94.4132.1**

Sample Marking **Kleer Hand Cleanser**

Test **T.G.A Option D - Antiseptic Grade**

Test Dilution **Neat**

Test Result **PASS**

## Summary of Test Results:

Challenge Organism		Day 1	Day 2	Day 3
<i>S.aureus</i> NCTC 4163	Initial count	2.5 x 10 <sup>6</sup>	7.5 x 10 <sup>6</sup>	4.0 x 10 <sup>6</sup>
	Result	-----	-----	-----
<i>E.coli</i> NCTC 8196	Initial count	3.0 x 10 <sup>6</sup>	4.8 x 10 <sup>6</sup>	4.7 x 10 <sup>6</sup>
	Result	-----	-----	-----
<i>P.aeruginosa</i> NCTC 6749	Initial count	4.7 x 10 <sup>6</sup>	6.8 x 10 <sup>6</sup>	6.9 x 10 <sup>6</sup>
	Result	-----	-----	-----
<i>P.vulgaris</i> NCTC 4635	Initial count	4.7 x 10 <sup>6</sup>	3.5 x 10 <sup>6</sup>	3.7 x 10 <sup>6</sup>
	Result	-----	-----	-----

Note + indicates growth in recovery broth after incubation at 37°C 48 hrs.  
- indicates no growth in recovery broth after incubation at 37°C 48 hrs.

Test method EML 3-31-4

Yours faithfully,  
EML Consulting Services Pty Ltd,  
**Des Hadjimichael B.Sc M.A.S.M. AAFST**  
Microbiologist