



# FOOD CONSULTING SERVICES

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**OUR REFERENCE: FCS 633 10 14**  
**28 OCTOBER 2014**

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**MICROBIOLOGICAL TEST REPORT**  
**RE: ANTI-MICROBIAL EFFICACY EVALUATION**

The following samples were received on 16 October 2014 for anti-microbial efficacy evaluation only.

Sample	Description
SS-749-1	GP2, 50%
SS-749-2	GP2, 100%

Testing commenced on 21 October 2014 and was completed on 26 October 2014.

**METHODS**

The following standard FCS methods were used. Tests marked with an asterisk (\*) in this report are not included in the SANAS Schedule of Accreditation for this laboratory.

\*TH001A Swabbing of surfaces  
TM006 Standard plate count

**Protocol (Not SANAS accredited):**

- 1) *E. coli*, *P. aeruginosa*, *S. aureus* and *A. brasiliensis* cultures were used.
- 2) 1ml of each culture was applied onto a clean, sterilised melamine surface. The solution was evenly spread onto the working surface. 1ml of the culture was also enumerated to obtain an exact count.
- 3) 1ml of each test solution was applied to each working surface and evenly spread onto the surface.
- 4) After 5 minutes, 24 hours and 48 hours contact time the working surface was swabbed. The swab was then tested as per procedure TM006 to determine the bacterial count after application of the test solution.

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**“QUALITY ASSURANCE IS BUSINESS INSURANCE”**

INCORPORATING: MICROBIOLOGICAL LABORATORY SERVICES  
MEMBERS: T.G. THOMPSON (MANAGING), H.A. THOMPSON, G. LAWRENCE, S. RIMMELL  
TESTS PERFORMED AT: FCS; 55 LOURENS DRIVE, HALFWAY HOUSE, MIDRAND, 1685, SOUTH AFRICA

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The results in this report reflect only the analysis of the above-mentioned samples in the condition they were received (comments/ notes will be made in the event that samples deviate from the norm or any visual defects are noted). Only the results of the indicated methods are accredited, the comments and interpretations of the above mentioned results fall outside the scope of accreditation. This report may not be reproduced except in full. Extracts can be reproduced only with the express written permission of an FCS signatory. Method validations performed, prove that the results obtained and recorded in this report, fall within a 95% confidence level at k=2.

**RESULTS**

After 5 min:

<i>E.coli</i> :	Sample SS-749-1:	~100% Kill rate
<i>S.aureus</i> :	Sample SS-749-1:	~100% Kill rate
<i>P. aeruginosa</i> :	Sample SS-749-1:	~100% Kill rate
<i>A. brasiliensis</i> :	Sample SS-749-1:	~100% Kill rate

After 24 hours:

<i>E.coli</i> :	Sample SS-749-1:	~100% Kill rate
<i>S.aureus</i> :	Sample SS-749-1:	~100% Kill rate
<i>P. aeruginosa</i> :	Sample SS-749-1:	~100% Kill rate
<i>A. brasiliensis</i> :	Sample SS-749-1:	~100% Kill rate

After 48 hours:

<i>E.coli</i> :	Sample SS-749-1:	~100% Kill rate
<i>S.aureus</i> :	Sample SS-749-1:	~100% Kill rate
<i>P. aeruginosa</i> :	Sample SS-749-1:	~100% Kill rate
<i>A. brasiliensis</i> :	Sample SS-749-1:	~100% Kill rate

After 5 min:

<i>E.coli</i> :	Sample SS-749-2:	~100% Kill rate
<i>S.aureus</i> :	Sample SS-749-2:	~100% Kill rate
<i>P. aeruginosa</i> :	Sample SS-749-2:	~100% Kill rate
<i>A. brasiliensis</i> :	Sample SS-749-2:	~100% Kill rate

After 24 hours:

<i>E.coli</i> :	Sample SS-749-2:	~100% Kill rate
<i>S.aureus</i> :	Sample SS-749-2:	~100% Kill rate
<i>P. aeruginosa</i> :	Sample SS-749-2:	~100% Kill rate
<i>A. brasiliensis</i> :	Sample SS-749-2:	~100% Kill rate

After 48 hours:

<i>E.coli</i> :	Sample SS-749-2:	~100% Kill rate
<i>S.aureus</i> :	Sample SS-749-2:	~100% Kill rate
<i>P. aeruginosa</i> :	Sample SS-749-2:	~100% Kill rate
<i>A. brasiliensis</i> :	Sample SS-749-2:	~100% Kill rate



**PROOFED BY**  
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**TECHNICAL SIGNATORY**  
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MC<sup>2</sup>