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## Final Test Report

Attention : Christo Pieterse  
RE : ALYTECH INDUSTRIES PTY LTD  
Address : 240 Lenchen Street  
Building 2 - Crossway Office Parl  
Centurion

Lab Number : 409542  
Order Reference : Q1394  
Sample Date : 2016/12/29  
Submit Date : 2016/12/29  
Report Date : 2017/01/05

### Accreditation Notices

Deltamune (Pty) Ltd is a SANAS Accredited Veterinary Laboratory, No V0007. Opinions and interpretations expressed herein are outside the scope of SANAS accreditation.

The results reported relate only to the samples tested and is expressed on an 'as received' basis unless specified otherwise. The test report shall not be reproduced except in full, without written approval of the Laboratory.

\* - Routine Codes marked with an asterisk are "Not SANAS Accredited" and are not included in the SANAS Schedule of Accreditation for this laboratory.

- PRD/21** Test method SER-TMD-ME-0079 for enumeration of Coliforms and Escherichia coli in food and food products, animal feed and feed raw materials, environmental swabs.
- PRD/6** Test method SER-TMD-ME-0078 for total aerobic bacteria enumeration in food and food products, animal feed and feed raw materials, environmental swabs.
- PRD/34** Test method SER-TMD-ME-0142 for the enumeration of Yeasts and Moulds using the pour plate method.
- PRD/92** Test method SER-TMD-ME-0146 for the enumeration of Bacillus Cereus spp using the spread plate method in food and food products, animal feed and feed raw materials, environmental swabs.
- PRD/67** Test method SER-TMD-ME-0143 for the enumeration of Clostridium Perfringens in food and food products, animal feed and feed raw materials, environmental swabs.
- PRD/9** Test method SER-TMD-ME-0082 for enumeration of Pseudomonas spp. in food and food products, animal feed and feed raw materials, environmental swabs.

### Test Results

Product Results						
#	Routine Code	Sample Id	Test Procedure	Measurement	Result	Completed
1	PRD/6	Waste	TVC	cfu per gram	180	2017-01-05
2	PRD/34		Yeast & Mould	cfu per gram	0	2017-01-05
3	PRD/92		Bacillus cereus	cfu per gram	180	2017-01-05
4	PRD/21		E.coli	cfu per gram	0	2017-01-05
5	PRD/67		C. perfringens	cfu per gram	0	2017-01-05
6	PRD/9		Pseudomonas spp.	cfu per gram	0	2017-01-05
7	* PRD/159		Salmonella	cfu per gram	0	2017-01-05

### Comments

#### Result Summary:

Organism	Initial load	Load after	%Reduction	Log reduction
Total bacterial count	3.12 X 10 <sup>8</sup>	180	99.9999%	6.25
Bacillus cereus	2.24 X 10 <sup>7</sup>	180	99.9992%	5.10
Candida albicans	4.50 X 10 <sup>6</sup>	0	99.9999%	6.92
Aspergillus brasiliensis	2.0 X 10 <sup>6</sup>	0	99.9999%	6.30
E.coli	5.4 X 10 <sup>7</sup>	0	99.9999%	7.73
Salmonella Typhimurium	1.29 X 10 <sup>8</sup>	0	99.9999%	8.11
Pseudomonas aeruginosa	1.0 X 10 <sup>8</sup>	0	99.9999%	8.01
Clostridium perfringens	9.3 X 10 <sup>6</sup>	0	99.9999%	6.97

Regards,

A handwritten signature in black ink, appearing to read 'Johan Jacobs', is written over a solid horizontal line.

**Mr. Johan Jacobs**  
**Accredited Signatory**