



## ANALYSIS REPORT

<b>Client:</b>	Roots Shoots & Fruits Ltd	<b>Lab No:</b>	1290114	POPv1
<b>Contact:</b>	M Callaghan 6 Wairua Road Rocky Bay WAIHEKE ISLAND 1081	<b>Date Registered:</b>	23-Jun-2014	
		<b>Date Reported:</b>	30-Jun-2014	
		<b>Quote No:</b>	61526	
		<b>Order No:</b>	Molly K1	
		<b>Client Reference:</b>	QAC testing	
		<b>Submitted By:</b>	M Callaghan	

### Sample Type: Agricultural Products & Agricultural Materials

<b>Sample Name:</b>	Fulzyme 20-Jun-2014	BioSize Plus 20-Jun-2014			
<b>Lab Number:</b>	1290114.3	1290114.4			
DDAC and BAC in Formulations					
<b>Analytes Detected:</b>	None	None			

Please refer to the detection limits table for the list of analytes screened and their detection limits.

### Sample Type: Agricultural Products and Agricultural Materials

<b>Sample Name:</b>	Biomin Booster V 20-Jun-2014	Biomin Calcium 20-Jun-2014			
<b>Lab Number:</b>	1290114.1	1290114.2			
DDAC and BAC in Formulations					
<b>Analytes Detected:</b>	None	None			

Please refer to the detection limits table for the list of analytes screened and their detection limits.

## SUMMARY OF METHODS

The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively clean matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis.

Test	Method Description	Default Detection Limit	Sample No
DDAC and BAC in Formulations	Acetonitrile extraction, SPE cleanup, dilution. Analysis by LC-MS/MS. Analysis performed at Hill Laboratories - Food & Bioanalytical Division, Waikato Innovation Park, Ruakura Lane, Hamilton.	1.0 mg/kg	1-4

These samples were collected by yourselves (or your agent) and analysed as received at the laboratory.

Samples are held at the laboratory after reporting for a length of time depending on the preservation used and the stability of the analytes being tested. Once the storage period is completed the samples are discarded unless otherwise advised by the client.

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Derek Yang BSc (Tech)  
 Technologist - Food & Bioanalytical Division

## Detection Limits

Analytes	Detection Limit
DDAC and BAC in Formulations	
Benzalkonium Chloride (C12)	1.0 mg/kg
Benzalkonium Chloride (C14)	1.0 mg/kg
Benzalkonium Chloride (C16)	1.0 mg/kg
Didecyldimethylammonium chloride (DDAC)	1.0 mg/kg