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Certificate of Analysis

Client:	[redacted]	**Lab No:**	3905781 HGPv2
Contact:	[redacted] Greerton Tauranga 3142	**Date Received:**	05-Jun-2025
		Date Reported:	10-Jun-2025 **(Amended)**
		Quote No:	90516
		Order No:	
		Client Reference:	Capita Marketing Ltd
		Submitted By:	[redacted]

Sample Type: Honey

Sample Name:		Vitahouse MGO 970+ Manuka Honey - Lot: F25A - Best Before: 2030 JN 02
Lab Number:		3905781.1
Tutin Analysis		
Tutin Result Evaluation	Pass/Fail	PASS
Tutin	mg/kg	0.029
MRL as per Tutin in Honey Food Standard 2016	mg/kg	0.70
American Foulbrood Analysis		
American Foulbrood (AFB)		Not Detected
American Foulbrood (AFB)	Spores and/or cells per g	< 92
Glyphosate Analysis		
AMPA	mg/kg	< 0.010
Glufosinate	mg/kg	< 0.010
Glyphosate	mg/kg	< 0.010

Analyst's Comments

Sample 1 Comment:
AFB Comment:
Please note: The result of "Not Detected" could include situations where late amplification of the AFB marker was seen, past the limit of detection (LOD) of the assay (i.e. 1-91 cells and/or spores per g).

Amended Report: This certificate of analysis replaces report '3905781-HGPv1' issued on 06-Jun-2025 at 2:56 pm.
Reason for amendment: Sample name and client reference have been amended, at the request of the client.

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 simple 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. A detection limit range indicates the lowest and highest detection limits in the associated suite of analytes. A full listing of compounds and detection limits are available from the laboratory upon request.
Unless otherwise indicated, analyses were performed at Hill Labs, 28 Duke Street, Frankton, Hamilton 3204.

Sample Type: Honey

Test	Method Description	Default Detection Limit	Sample No
Individual Tests			

Sample Type: Honey			
Test	**Method Description**	**Default Detection Limit**	**Sample No**
Tutin Analysis in Honey	Solvent extraction, dilution. Analysis by LC-MS/MS. Results are representative of the liquid honey, not the sample as a whole. Tutin Result Evaluation (PASS/FAIL) The PASS/FAIL result is based on comparison of the tutin result with the "Food Standard: Tutin in Honey (2016)". A result that falls at or BELOW the maximum permitted tutin level will give a PASS result. A result that falls ABOVE the maximum permitted tutin level will give a FAIL result. Individual Sample Testing Recommended? Where a tutin result for a composited sample is above the maximum permitted level, it is recommended that the individual samples are retested. Please contact the laboratory to arrange for individual sample retesting. **RLP Official Test 8.42**.	0.010 mg/kg	1
Glyphosate LC-MS/MS Analysis	Aqueous extraction, Analysis by LC-MS/MS. In-house. **RLP Official Test 8.47.1**.	0.010 mg/kg	1
American Foulbrood Profile			
American Foulbrood (AFB)	Quantification of Paenibacillus larvae, causative agent of American foulbrood (AFB), using real time PCR analysis. **RLP Official Test 2.14**.	92 Spores and/or cells per g	1

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

Testing was completed between 05-Jun-2025 and 06-Jun-2025. For completion dates of individual analyses please contact the laboratory.

Samples are held at the laboratory after reporting for a length of time based on the stability of the samples and analytes being tested (considering any preservation used), and the storage space available. Once the storage period is completed, the samples are discarded unless otherwise agreed with the customer. Extended storage times may incur additional charges.

Helen McGowan BSc (Tech)
Operations Support - Food & Bioanalytical