

Certificate of Analysis

Page 1 of 2

Client:		Lab No:	4205626	HGPv1.1
Contact:		Date Received:	07-May-2026	
		Date Reported:	09-Jun-2026	
		Quote No:	81622	
		Order No:		
		Client Reference:		
		Submitted By:	May Yan Yap	

Sample Type: Honey			
Sample Name:		26E05M15-1	
Lab Number:		4205626.1	
Manuka Honey Analysis			
Dihydroxyacetone (DHA)	mg/kg	1,440	
5-Hydroxymethylfurfural (HMF)	mg/kg	13.5	
Methylglyoxal (MGO)	mg/kg	515	
Non Peroxide Activity (NPA)*	% Phenol Equivalent	15.0	
Glyphosate Analysis			
AMPA	mg/kg	< 0.010	
Glufosinate	mg/kg	< 0.010	
Glyphosate	mg/kg	< 0.010	

Analyst's Comments

This certificate of analysis contains information extracted from 4205626-HGPv1 issued on 11-May-2026 at 9:10 am.

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			
3-in-1 Honey method	Aqueous extraction, derivatisation. Analysis by uHPLC / UV-Vis (dihydroxyacetone, 5-hydroxymethylfurfural, methylglyoxal). In-house.	1.0 - 10 mg/kg	1
Non Peroxide Activity (NPA)*	NPA is calculated from methylglyoxal using an industry accepted correlation curve based on published data ^{1,2} for NPA and the primary active ingredient, methylglyoxal. ¹ Isolation by HPLC and characterisation of the bioactive fraction of New Zealand manuka (Leptospermum scoparium) honey. C. J. Adams, et al. Carbohydrate Research 343 (2008) 651-659. ² Corrigendum to "Isolation by HPLC and characterization of the bioactive fraction of New Zealand manuka (Leptospermum scoparium) honey" [Carbohydr. Res. 343 (2008) 651]. C. J. Adams, et al. Carbohydrate Research 344 (2009) 2609.	1.0 % Phenol Equivalent	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

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

Testing was completed between 07-May-2026 and 08-May-2026. 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.

This certificate of analysis must not be reproduced, except in full, without the written consent of the signatory.



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Operations Support - Food & Bioanalytical