

Certificate of Analysis

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Client:	JCI Co., Limited	Lab No:	3622512	HGPV1
Contact:	Bruce Roscoe C/- JCI Co., Limited Igusa 4-21-6-102 Suginami-ku Tokyo 167-0021 JAPAN	Date Received:	09-Jul-2024	
		Date Reported:	12-Jul-2024	
		Quote No:	123226	
		Order No:		
		Client Reference:	Tahi202407	
		Submitted By:	Bruce Roscoe	

Sample Type: Honey			
Sample Name:	Tahi Estate Manuka Honey UMF5+ Batch 50250 400g		
Lab Number:	3622512.1		
Glyphosate Analysis			
AMPA	mg/kg	< 0.010	
Glufosinate	mg/kg	< 0.010	
Glyphosate	mg/kg	< 0.010	

Sample Type: Honey			
Sample Name:	Tahi Estate Manuka Honey UMF5+ Batch 50250 400g	Tahi Estate Manuka Honey UMF15+ Batch 50266 400g	
Lab Number:	3622512.1	3622512.2	
Multiresidue Analysis 2 - Honey Samples			
Analytes Detected:	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 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
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
Multiresidue Analysis 2 - Honey Samples	Solvent extraction, SPE cleanup, dilution. Analysis by LC-MS/MS. In-house (using a Citrate buffered QuEChERS extraction).	0.010 - 0.3 mg/kg	1-2

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

Testing was completed between 10-Jul-2024 and 12-Jul-2024. 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.

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

Detection Limits

Analytes	Detection Limit	Analytes	Detection Limit	Analytes	Detection Limit
Multiresidue Analysis 2 - Honey Samples		Flusulfamide	0.010 mg/kg	Spirotetramat-cis-keto-hydroxy	0.010 mg/kg
Abamectin	0.02 mg/kg	Flutolanil	0.010 mg/kg	Spirotetramat-enol-glucoside	0.010 mg/kg
Acetamiprid	0.010 mg/kg	Fluxapyroxad	0.010 mg/kg	Spirotetramat-mono-hydroxy	0.010 mg/kg
Aldicarb	0.010 mg/kg	Forchlorfenuron	0.010 mg/kg	Spiroxamine	0.010 mg/kg
Aldicarb sulfone	0.010 mg/kg	Gibberellic acid (GA3)	0.010 mg/kg	Sulfoxaflor	0.010 mg/kg
Aldicarb sulfoxide	0.010 mg/kg	Halauxifen-methyl	0.010 mg/kg	Tebufenozide (Mimic)	0.010 mg/kg
Ametoctradin	0.010 mg/kg	Heptenophos	0.010 mg/kg	Teflubenzuron	0.04 mg/kg
Ametryn	0.010 mg/kg	Imidacloprid	0.010 mg/kg	Tepraloxymid	0.010 mg/kg
Anilazine	0.05 mg/kg	Indaziflam	0.010 mg/kg	Tetraconazole	0.010 mg/kg
Anilofos	0.010 mg/kg	Iodocarb (IPBC)	0.03 mg/kg	Thiabendazole	0.010 mg/kg
Azadirachtin	0.04 mg/kg	Ipconazole	0.010 mg/kg	Thiacloprid	0.010 mg/kg
Benzalkonium chloride (C10)	0.05 mg/kg	Isoproturon	0.010 mg/kg	Thiamethoxam	0.010 mg/kg
Benzalkonium chloride (C12)	0.2 mg/kg	Isopyrazam	0.010 mg/kg	Thifluzamide	0.010 mg/kg
Benzalkonium chloride (C14)	0.2 mg/kg	Isoxathion	0.010 mg/kg	Thiophanate-methyl	0.010 mg/kg
Benzalkonium chloride (C16)	0.05 mg/kg	Isoxathion oxon	0.010 mg/kg	Triadimenol	0.010 mg/kg
Bixafen	0.010 mg/kg	Lufenuron	0.10 mg/kg	Tribenuron-methyl	0.010 mg/kg
Boscalid	0.010 mg/kg	Mandipropamid	0.010 mg/kg	Trichlorfon	0.010 mg/kg
Carbendazim (including Benomyl and Thiophanate)	0.010 mg/kg	Mandestrobin	0.010 mg/kg	Triflumuron	0.010 mg/kg
Carfentrazone-ethyl	0.010 mg/kg	Mefentrifluconazole	0.010 mg/kg	Triforine	0.010 mg/kg
Chlorantraniliprole	0.010 mg/kg	Metamitron	0.010 mg/kg	Uniconazole	0.010 mg/kg
Chloridazon	0.010 mg/kg	Metaldehyde	0.2 mg/kg		
Clethodim	0.010 mg/kg	Metconazole	0.010 mg/kg		
Clofentezine	0.010 mg/kg	Methabenzthiazuron	0.010 mg/kg		
Clothianidin	0.02 mg/kg	Methomyl	0.010 mg/kg		
Cyantraniliprole	0.03 mg/kg	Methoxyfenozide	0.010 mg/kg		
Cyazofamid	0.010 mg/kg	Methyl anthranilate	0.04 mg/kg		
Cyflufenamid	0.010 mg/kg	Metrafenone	0.010 mg/kg		
Cymoxanil	0.010 mg/kg	Milbemectin	0.03 mg/kg		
Didecyldimethylammonium chloride (DDAC)	0.10 mg/kg	Nicosulfuron	0.010 mg/kg		
Desmedipham	0.010 mg/kg	Novaluron	0.010 mg/kg		
Diethofencarb	0.010 mg/kg	Octhilinone	0.04 mg/kg		
Difflubenzuron	0.03 mg/kg	Oryzalin	0.02 mg/kg		
Dinotefuran	0.010 mg/kg	Oxamyl	0.010 mg/kg		
Dodine	0.08 mg/kg	Oxathiapirolin	0.010 mg/kg		
Emamectin	0.03 mg/kg	Pencycuron	0.03 mg/kg		
Empenthrin	0.3 mg/kg	Penflufen	0.010 mg/kg		
Ethofumesate	0.010 mg/kg	Penthiopyrad	0.010 mg/kg		
Etobenzanid	0.010 mg/kg	Phenmedipham	0.010 mg/kg		
Fenamidone	0.010 mg/kg	Propamocarb	0.010 mg/kg		
Fenbuconazole	0.010 mg/kg	Propargite	0.010 mg/kg		
Fenhexamid	0.04 mg/kg	Proquinazid	0.010 mg/kg		
Fenoxycarb	0.010 mg/kg	Prosulfocarb	0.010 mg/kg		
Fenpropidin	0.010 mg/kg	Prothioconazole-desthio	0.010 mg/kg		
Fenpyrazamine	0.010 mg/kg	Pydiflumetofen	0.010 mg/kg		
Fenpyroximate	0.010 mg/kg	Pyraclostrobin	0.010 mg/kg		
Fipronil	0.010 mg/kg	Pyridaphenthion	0.010 mg/kg		
Flonicamid	0.010 mg/kg	Pyrifluquinazon	0.010 mg/kg		
Fluazinam	0.010 mg/kg	Pyriofenone	0.010 mg/kg		
Flufenacet	0.010 mg/kg	Quinoxifen	0.010 mg/kg		
Flufenoxuron	0.010 mg/kg	Saflufenacil	0.010 mg/kg		
Florasulam	0.010 mg/kg	Sethoxydim	0.010 mg/kg		
Flumethrin	0.010 mg/kg	Spinetoram	0.010 mg/kg		
Flumetsulam	0.010 mg/kg	Spinosad	0.010 mg/kg		
Flumioxazin	0.02 mg/kg	Spiromesifen	0.010 mg/kg		
Fluopicolide	0.010 mg/kg	Spiromesifen-enol	0.010 mg/kg		
Fluopyram	0.010 mg/kg	Spirotetramat	0.010 mg/kg		
		Spirotetramat-cis-enol	0.010 mg/kg		