



Certificate of Analysis

| | | | | |
|-----------------|-------------------------|--------------------------|-------------------|-------|
| Client: | Tahi Estate Limited | Lab No: | 3162853 | POPv1 |
| Contact: | Helen Sinclair | Date Received: | 31-Jan-2023 | |
| | C/- Tahi Estate Limited | Date Reported: | 07-Feb-2023 | |
| | 1774 Pataua North Road | Quote No: | 53068 | |
| | RD 5 | Order No: | 079793 | |
| | Whangarei 0175 | Client Reference: | JCI Batch Testing | |
| | | Submitted By: | Helen Sinclair | |

Sample Type: Honey

| | | | |
|---|-------------|-------------|-------------|
| Sample Name: | Batch 50219 | Batch 50230 | Batch 50231 |
| Lab Number: | 3162853.1 | 3162853.2 | 3162853.3 |
| Multiresidue Analysis 2 - Honey Samples | | | |
| Analytes Detected: | None | 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 Laboratories, 28 Duke Street, Frankton, Hamilton 3204.

Sample Type: Honey

| Test | Method Description | Default Detection Limit | Sample No |
|---|---|-------------------------|-----------|
| 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 | 1-3 |

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

Testing was completed on 07-Feb-2023. 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.

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



This Laboratory is accredited by International Accreditation New Zealand (IANZ), which represents New Zealand in the International Laboratory Accreditation Cooperation (ILAC). Through the ILAC Mutual Recognition Arrangement (ILAC-MRA) this accreditation is internationally recognised. The tests reported herein have been performed in accordance with the terms of accreditation, with the exception of tests marked * or any comments and interpretations, which are not accredited.

Detection Limits

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