



HONEY TESTING & APICULTURE SERVICES

From testing
to certification



hill-labs.co.nz

Apiculture Evaluation and Verification

New Zealand's apiculture industry operates to some of the world's highest food safety and export standards. As a Recognised Agency under the Animal Products Act 1999, we provide personalised evaluation and verification services to support compliance across the apiculture supply chain.

Working closely with beekeepers, packers, processors and exporters, we help ensure products meet both New Zealand regulatory requirements and overseas market expectations.

OUR APICULTURE SERVICES

- **Risk Management Programmes (RMPs):**
Supporting food safety, traceability, and risk management.
- **National Programmes (NPs):**
Ensuring compliance with recognised domestic standards under the Food Act 2014.
- **Certification of bee products for export:**
Meeting New Zealand requirements and overseas market expectations.



Hill Labs is your one-stop partner, offering a suite of honey and bee product testing and auditing services.

From mānuka honey authentication and grading to Risk Management Plan and National Programme auditing services, our comprehensive range of services helps beekeepers and honey producers meet regulatory, quality, and market requirements with confidence.

Our honey tests

■ **3-IN-1 MĀNUKA HONEY SUITE WITH FREE FORECAST MODELLING** - *Next day turnaround time*

A combination of three of our most popular mānuka honey tests; Methylglyoxal (MGO), Dihydroxyacetone (DHA) and Hydroxymethylfurfural (HMF) all done as one analysis using Ultra Performance Liquid Chromatography (UPLC).

MGO results are converted into Non-Peroxide Activity (NPA). NPA is an indicator of the activity in mānuka honey. NPA can be requested with the 3-in-1 or 4-in-1 mānuka suite at no extra cost.

■ **MĀNUKA CLASSIFICATION** - *Next day turnaround time*

A test for 1 DNA and 4 chemical markers that together identify whether honey is New Zealand mānuka honey, and either monofloral or multifloral, dependent on the concentration of one of the chemical markers. This test is for MPI's proposed General Requirement for Export (GREX) for honey, and is based on the science definition of mānuka honey. All honey labelled as mānuka for export must be tested to ensure it meets the MPI mānuka definition.

■ **TUTIN** - *Next day turnaround time*

Tutin is a toxic compound that may be present in honey that has been produced where tutu plants are present. Testing for Tutin in honey is regulated under an MPI standard.

■ **LEPTOSPERIN IN MĀNUKA HONEY**

- *Next day turnaround time*

Leptosperin is a natural product in mānuka (Leptospermum scoparium) honey and is required for a UMF® certificate.

■ **C4 SUGAR AOAC TEST** - *Turnaround time 5 days*

The C4 sugar test detects if honey has been adulterated by the addition of sugar. This test is conducted using Isotope Ratio Mass Spectrometry (IRMS) and can be used for export honey.

■ **C4 SUGAR SCREENING** – *Turnaround time 4 days*

The C4 sugar screen is a cost effective and timely analysis used to screen for possible honey adulteration. This method should not be used for exporting.

■ **GLYPHOSATE** – *Turnaround time 3 days*

Glyphosate is a commonly used herbicide. Glyphosate testing in honey is now a requirement for access to some overseas markets.

■ **AMERICAN FOULBROOD (AFB) TESTING IN HONEY** – *Next day turnaround time*

American foulbrood (AFB) is a fatal bacterial disease of honey bee brood caused by the spore forming bacterium *Paenibacillus larvae*. Testing for AFB is a current requirement of export into some international markets and is also used to aid hive health management programs.

■ **OTHER TESTS** – *Turnaround time 5 days*

Moisture Diastase (phadebas and nitrophenol methods) and CCBM (colour, conductivity, brix, moisture).

Microbiology testing (APC, Yeast and Mould) is also available.

Digital Tools

■ **MĀNUKA HONEY FORECAST TOOL**

Using your own data, this online tool allows you to predict the level of markers MGO, DHA and HMF over time, helping you to improve business planning by understanding the future value of your honey.



Get in
touch

We've been delivering analytical testing services to Aotearoa New Zealand for a long time, since 1984 in fact. Today, we are proud to be a trusted service provider to customers across a broad range of industry sectors.

We would love to hear from you!

Contact us today to find out more.

FREEPHONE 0508 HILL LAB (44 555 22)

Honey Testing

EMAIL food@hill-labs.co.nz

Apiculture Evaluation and Verification

EMAIL audit@hill-labs.co.nz



RELIABLE



SUPPORTIVE



RESPONSIVE



LOCAL



TRUSTED



hill-labs.co.nz