



HONEY TESTING

Understand your  
honey's true value



[hill-labs.co.nz](http://hill-labs.co.nz)



**RELIABLE**  
*You can count on us*



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*Eager to help*




**RESPONSIVE**  
*What do you need?*



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*Committed to Aotearoa New Zealand*



**TRUSTED**  
*Since 1984*



**There are a number of requirements you may need to meet** if you are a beekeeper or honey producer, including food safety regulations, managing potential contamination and authentication and grading if you are working with Manuka honey.

At Hill Labs we offer an extensive range of tests for honey and bee products, with proven commitment to industry leading turnaround times and using the latest technology and methods. We have also developed some exciting digital tools allowing you to maximise the value of your honey.

# Our honey tests

## ■ **3-IN-1 MANUKA HONEY SUITE WITH FREE FORECAST MODELLING + NON-PEROXIDE ACTIVITY (NPA)** - *Next day turnaround time*

A combination of three of our most popular manuka 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 manuka honey. NPA can be requested with the 3-in-1 or 4-in-1 Manuka suite at no extra cost.

## ■ **MANUKA 5** - *Next day turnaround time*

A test for 1 DNA and 4 chemical markers that together identify whether honey is New Zealand Manuka 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 manuka honey. All honey labelled as manuka for export must be tested to ensure it meets the MPI manuka 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 MANUKA HONEY**

- *Next day turnaround time*

Leptosperin is a natural product in Manuka (*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 and CSBM (colour, conductivity, brix, moisture).

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

## Digital Tools

■ **MANUKA HONEY BLENDING MODEL**

This online tool searches through your inventory and selects the optimal drums to hit your target specification for every batch, taking care of complex blending decisions.

■ **MANUKA 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.



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 talk to one of our friendly Client Services Managers to find out more.

Get in touch

**FREephone 0508 HILL LAB (44 555 22)**  
**EMAIL [fnb.csm@hill-labs.co.nz](mailto:fnb.csm@hill-labs.co.nz)**

