



UNDERSTAND
**YOUR HONEY'S
TRUE VALUE**



Hill Laboratories
TRIED, TESTED AND TRUSTED

HONEY TESTING

TESTING

www.hill-laboratories.com

6 KEY BENEFITS OF TESTING WITH HILL LABORATORIES



WE'RE INDEPENDENT

As New Zealand's largest independent laboratory, we guarantee our customers impartial, accurate information and results, every time. Conducting business with honesty and integrity are the values which Hill Laboratories is built on.



100% KIWI

Founded in 1984 by Dr Roger and Anne Hill, Hill Laboratories remains proudly 100% NZ owned and operated today.



EXCELLENCE & EXPERTISE

Our attention to detail, focus on innovation, industry-leading quality systems, and our desire to continually improve our service has kept us at the forefront of analytical testing in New Zealand. And whilst our technology and instruments are state-of-the-art, it is the expertise of our people that really sets us apart.



COMMITTED TO EXCEPTIONAL SERVICE

With a dedicated team of expert Client Services Managers across all of our market sectors, we pride ourselves on our unwavering commitment to providing a quality customer service experience.




STRONG DIGITAL OFFERING

We have an expanding portfolio of digital tools, which operate alongside our testing services. These include our numerous mobile applications for sample collection and pre-registration, APIs, online MyLab portal for easy ordering and job tracking, and a growing portfolio of "Software as a Service" (SaaS) offerings.



ENVIRONMENTALLY RESPONSIBLE

As a 100% Kiwi-owned family business, understanding and reducing our organisation's environmental footprint is important to us. We strive to tread lightly wherever we can to run our business sustainably.

A hand in a blue nitrile glove holds a clear plastic jar filled with golden honey. A pipette tip is positioned above the jar, with a single drop of honey suspended in mid-air. The jar has a white label with an orange band at the top that says "HONEY TESTING" in white capital letters. Below this, there is a logo consisting of three overlapping curved lines in blue, red, and yellow, and the word "Laboratories" in black. The background is a soft-focus laboratory setting.

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 Laboratories we offer an extensive range of tests for honey and bee products, with fast 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

■ **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.

■ **3-IN-1 Manuka Honey Suite with free Forecast Modelling** – *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).

■ **Non-Peroxide Activity (NPA)** – *Next day turnaround time*

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.

■ **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.

■ **Manuka 5** – *Turnaround time 3 days*

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.



■ **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.

■ **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.

■ **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.

■ **Glyphosate**

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

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.



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CONTACT US today to talk to
one of our friendly **CLIENT
SERVICES MANAGERS** and
find out more.



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