

ApiHealth New Zealand Limited

Manuka Honeys



UNIQUE MANUKA FACTOR®
HONEY ASSOCIATION





UNIQUE MANUKA FACTOR[™]
HONEY ASSOCIATION



Welcome to ApiHealth!

ApiHealth NZ Ltd specialises in scientific development and manufacturing of innovative natural bee health products under brand name ApiHealth[™] since 1998.

We would like you to introduce our **100% pure and natural** New Zealand UMF[™] Manuka Honeys for your healthy lifestyle.



UNIQUE MANUKA FACTOR[™]
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ApiHealth NZ

5+ UMF[™]

10+ UMF[™]

15+ UMF[™]

20+ UMF[™]

MANUKA HONEY

Manuka Honey with Unique Manuka Factor

250g NET PRODUCT





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What is Manuka Honey?

Honey is a sweet and flavourful natural product, which is consumed for its high nutritive value and for its effects on human health. Mānuka honey truly is the golden standard against which other honeys are compared. Delicious, thick, and with a characteristic dark cream to dark brown colour, mānuka honey has long been admired as an exceptional honey with a distinct, complex flavour and rich aroma unlike any other honey in the world.

Mānuka honey is produced from the characteristic nectar from the sweet-smelling flower of the mānuka tree. Rich in amino acids, Vitamins B & C, antioxidants, minerals, proteins, carbohydrates, and bioactive compounds, mānuka honey is a superfood and at the forefront of natural health sciences. No other honey has the volume or complexity of natural components at work like New Zealand mānuka honey.



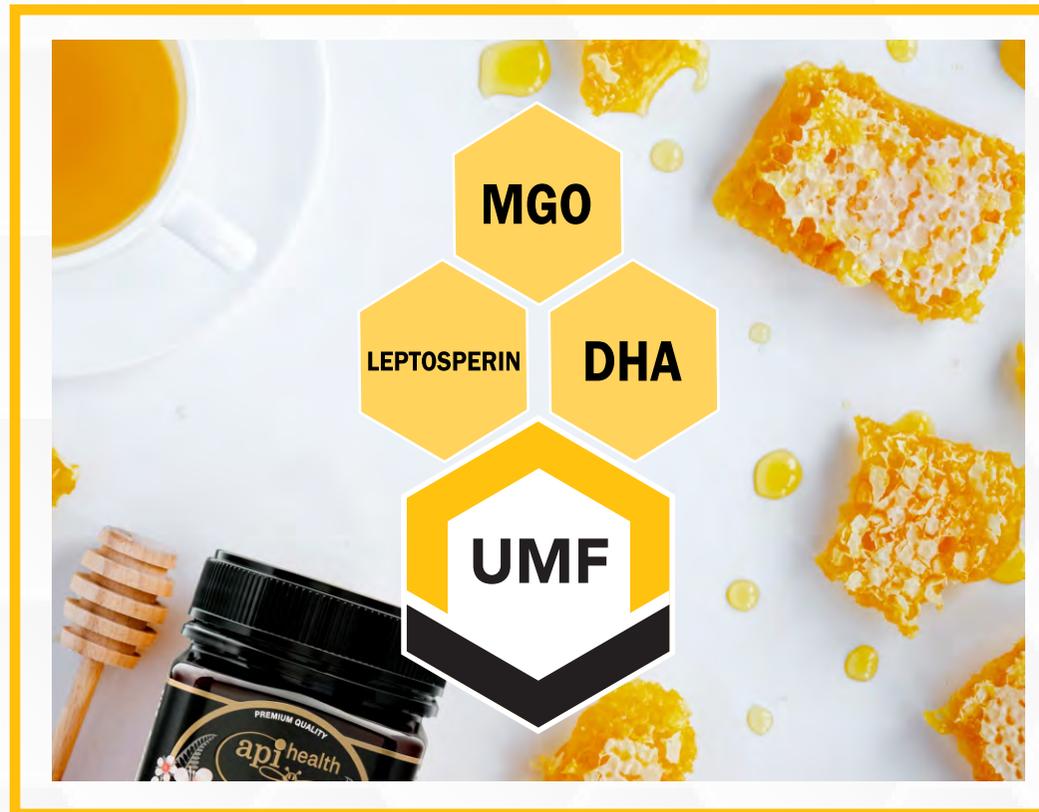


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What Makes Mānuka Honey Special?

Manuka Honey contains an additional potent component which has been called the "Unique Manuka Factor" (UMF™) and its rating system includes natural markers- unique signature compounds (Leptosperin, DHA and Methylglyoxal) found in Manuka honey which guarantees purity and quality.





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What is UMF?



UMF[™] is shorthand for the most comprehensive, independently certified and internationally recognised quality assurance system for New Zealand mānuka honey. It's designed to validate mānuka honey **potency, authenticity, purity, shelf life and freshness** for honey producers, brands, customers and consumers around the world.

Each mānuka honey product that carries the UMF[™] trademark must pass the stringent Unique Mānuka Factor Honey Association (UMFHA) quality, grading and rating tests.

UMF [™] 4 Factor Test	MGO	Leptosperin	DHA	HMF
Standard	83mg/kg	>100mg/kg	150 mg/kg	<40 mg/kg
Purpose	Potency	Authenticity	Shelf Life	Freshness





UNIQUE MANUKA FACTORTM
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What UMF Number Mean?

To receive a UMF[®] rating, a honey must have the presence level of key bioactive markers - DHA (dihydroxyacetone), Methylglyoxal, Leptosperin and HMF, which assures purity & quality.



MG0- 83 mg/kg
Leptosperin-100mg/kg
HMF-<40 mg/kg



MG0- 263 mg/kg
Leptosperin-150mg/kg
HMF-<40 mg/kg



MG0- 514 mg/kg
Leptosperin-200mg/kg
HMF-<40 mg/kg



MG0- 829 mg/kg
Leptosperin-200mg/kg
HMF- <40 mg/kg





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Genuine UMF Manuka Honey

Genuine UMF[®] Mānuka Honey must comply with the following criteria:

- It meets the New Zealand Government's Definition and Standard for Manuka Honey
- It meets independent quality control service
- It has the quality trademark UMF[®] clearly stated on the front label
- It is packed and labelled in New Zealand
- It is from a New Zealand company licensed to use the quality trademark UMF[®]
- It has a rating number alongside the trademark UMF[®].





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Why ApiHealth UMF Manuka Honeys?

- **ApiHealth Manuka Honey is 100 % New Zealand Origin**

- **Strict Testing Procedures**

Every batch of ApiHealth UMF Manuka Honeys is tested for UMF level.

- **Tested to meet MPI Monofloral Guidelines**

Every batch of ApiHealth UMF Manuka Honeys are tested for Monofloral definition to be sure that Manuka Honey meet monofloral standard.

- **Careful Handling During Processing - Raw and unpasteurised**

ApiHealth UMF Manuka Honeys are handled with the greatest of care to retain all its natural goodness and purity.

- **Dark amber plastic jar protects from sunlight**

ApiHealth UMF Manuka Honey are protected as much as possible from the damaging effects of sunlight by dark amber plastic jars.





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ApiHealth Quality Packing Facilities

ApiHealth UMF Manuka Honeys are packed under Risk Management Programme (RMP) and UMF Licence Certificate No 1052.



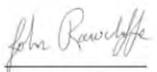
Unique Mānuka Factor
Honey Association
'Quality + Rating = more than just a number'

UMF LICENCE CERTIFICATE

ApiHealth NZ Limited

is a certified licensee of the UMF quality trademark under the terms and conditions set down by the UMF Honey Association from 13 January 2021 to 31st March 2022

UMF LICENCE NUMBER: 1052


John Rawcliffe
ADMINISTRATOR

The UMF grading system appraises natural markers found in Mānuka honey, and ensures purity and quality. For further information please see www.umf.org.nz

Ministry for Primary Industries
Manatū Ahu Matua



NOTICE OF REGISTRATION

RISK MANAGEMENT PROGRAMME

Pursuant to section 22 of the Animal Products Act 1999, the Director-General has registered a risk management programme for:

Apihealth New Zealand Limited
Located at:
**52B Stonedon Drive, East Tamaki
AUCKLAND**

This risk management programme has been assigned the identifier:

API13/01

Risk management programmes manage hazards and other risk factors associated with animal products in order to ensure fitness for intended purpose, and are based on the principles of HACCP.

This registration is effective from 19/09/2013 and is subject to the condition(s) specified in the attached notice of conditions, issued under section 76(1).

Signed at Wellington on 20/09/2013


 Peter Fairless
 Manager (Appointments & Approvals)
 Systems, Support & ACVM
 Standards Branch
 Acting under delegated authority







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ApiHealth Quality Packing Facilities

Strict Testing Procedures

Every batch of ApiHealth UMF Manuka Honey is tested for UMF level and for Monofloral Definition to be sure that Manuka Honey meet MPI Monofloral standard.

Hill Laboratories
TRIED, TESTED AND TRUSTED

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Private Bag 3205
Hamilton 3240 New Zealand

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T +64 7 858 2000
E mail@hill-labs.co.nz
W www.hill-laboratories.com

Certificate of Analysis Page 1 of 2

Client: ApiHealth New Zealand Limited
Contact: Dr Tatiana Nikolaeva
C/- ApiHealth New Zealand Limited
PO Box 58049
Botany
Auckland 2183

Lab No: 2840336
Date Received: 26-Jan-2022
Date Reported: 28-Jan-2022
Quote No: 82081
Order No:
Client Reference:
Submitted By: Dr Tatiana Nikolaeva

Sample Type: Honey

Sample Name:	#MH410
Lab Number:	2840336.1
MPI Manuka 5 Attributes Analysis	
Manuka DNA	Cq 25.67
Manuka Honey Analysis	
Dihydroxyacetone (DHA)	mg/kg 435
5-Hydroxymethylfurfural (HMF)	mg/kg 20.3
Methylglyoxal (MGO)	mg/kg 280
Non Peroxide Activity (NPA)*	% Phenol Equivalent 10.4

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 reasonably 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 selection level range indicates the lowest and highest detection limits in the associated suite of analyses. 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, Franklinton, Hamilton 3204.

Test	Method Description	Default Detection Limit	Sample No
Individual Tests:			
3-in-1 Honey Method	Aqueous extraction, derivatisation. Analysis by uHPLC / UV-Vis (dihydroxyacetone, 5-hydroxymethylfurfural, methylglyoxal). In-house.	1.0 - 10 mg/kg	1
Non Peroxide Activity (NPA)*	NPA is calculated from methylglyoxal using a correlation curve based on published data for NPA and the primary active ingredient, methylglyoxal. (1,2) (1) Isolation by HPLC and characterisation of the bioactive fraction of New Zealand manuka (<i>Leptospermum scoparium</i>) honey. C. J. Adams, et al. Carbohydrate Research 343 (2008) 651-659. (2) Compendium for "Isolation by HPLC and characterization of the bioactive fraction of New Zealand manuka (<i>Leptospermum scoparium</i>) honey" [Carbohydr. Res. 343 (2008) 651]. C. J. Adams, et al. Carbohydrate Research 344 (2009) 2609.	1.0 % Phenol Equivalent	1
Manuka Honey PCR Profile			
Manuka DNA	Quantification of Manuka (<i>Leptospermum scoparium</i>) DNA by real time PCR. MPI Technical - Paper No. 2017/31 (modified). RLP Official Test 10.04.	1.00 Cq	1



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10 Bisley Road
Hamilton 3214, New Zealand
Ph +64 (07) 974 4740
sales@analytica.co.nz
www.analytica.co.nz

Certificate of Analysis

Lab Reference: 21-17762
Submitted by: N/A
Date Received: 21/04/2021
Testing Initiated: 21/04/2021
Date Completed: 23/04/2021
Order Number: N/A
Reference: N/A

Report Comments

Samples were collected by yourselves (or your agent) and analysed as received at Analytica Laboratories. Samples were in acceptable condition unless otherwise noted on this report. Specific testing dates are available on request.

Results Summary

MPI Manuka Classification*

Laboratory ID	Sample ID	MPI Manuka Classification*
21-17762-1	BL21006	MONOFLORAL MANUKA

MPI Manuka Classification* Approver:

Hannah Crossan, M.Sc. (Hons)
Senior Technician

MPI Manuka DNA

Laboratory ID	Sample ID	Manuka DNA
		Units
		Reporting Limit
21-17762-1	BL21006	28.19

MPI Manuka DNA Approver:

Navuoo Begman, B.Sc.
Technician

MPI Manuka Markers

Laboratory ID	Sample ID	4-Hydroxyphenylacetic acid (4-HPLA)	2-Methoxybenzoic acid (2-MBA)	2-Methoxyacetophenone (2-MAP)	3-Phenylactic acid (3-PLA)
		Units	Units	Units	Units
		Reporting Limit	Reporting Limit	Reporting Limit	Reporting Limit
21-17762-1	BL21006	7.9	16	19	1.000

All tests reported herein have been performed in accordance with the laboratory's scope of accreditation with the exception of tests marked *, which are not accredited. This test report shall not be reproduced except in full, without the written permission of Analytica Laboratories.



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.





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UMF Manuka honey

ApiHealth supply a wide range of UMF Manuka honeys which are protected by the quality Trademark and you can be sure you are buying the best, 100% natural, unadulterated Manuka honey.

- ✓ Immune Support
- ✓ Digestive Support
- ✓ Well-being





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Our contacts

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Auckland, 2013 New Zealand**

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info@apihealth.com



For order or more information visit us:

www.apihealth.com