



# cosana

new zealand

3 Keehan Drive, Hilltop, Taupo, Waikato, 3379, New Zealand

Phone: +64 (0) 7 378 2018 Website: <https://cosana.com/>

## Certificate of Analysis

Product Description: **MGO400+ Manuka Honey - 250g - Europe**

Batch Number: **CSNZ10894** Manufacture Date: **19th January 2023**

Sample Reference: **CSNZ10105** Best Before Date: **18th January 2027**

Manuka Honey Classification (MPI, NZ): **Monofloral Manuka Honey**

Chemistry Test (s)	Specifications	Results	Tested By	Reference
Methylglyoxal (MGO)	> than label mg/kg	<b>534</b>	Agritestig	22-J0109-1
HydroxyMethylfurfural (HMF)	< 40 mg/kg	<b>12.8</b>	Agritestig	22-J0109-1
Dihydroxyacetone (DHA)	As tested - mg/kg	<b>1321.0</b>	Agritestig	22-J0109-1
Diastase Activity	≥ 8 Schade/g	<b>6.0</b>	Agritestig	22-J0109-1
Foreign Matter	None Detected	<b>Not Detected</b>	Agritestig	22-J0109-1
Tutin	<0.70 mg/kg	<b>&lt;0.010</b>	Hill Laboratories	2879173.1
Moisture Content	<19%	<b>18.3</b>	Agritestig	22-J0109-1
Colour	As tested - pfund	<b>51.0</b>	Agritestig	22-J0109-1
Glyphosate	<0.01 mg/kg	<b>&lt;0.010</b>	Hill Laboratories	2879620.1
Manuka Honey Markers	Specifications	Results	Tested By	Reference
3-Phenyllactic acid (3-PLA)	≥ 400 mg/kg (monofloral) ≥ 20 mg/kg (multifloral)	<b>870</b>	Hill Laboratories	2879173.1
2-Methoxyacetophenone (2-MAP)	≥ 5 mg/kg (monofloral) ≥ 1 mg/kg (multifloral)	<b>21.0</b>	Hill Laboratories	2879173.1
2-Methoxybenzoic acid (2-MBA)	≥ 1 mg/kg	<b>7.8</b>	Hill Laboratories	2879173.1
4-Hydroxyphenyllactic acid (4-HPLA)	≥ 1 mg/kg	<b>8.0</b>	Hill Laboratories	2879173.1
DNA from Manuka pollen	< Cq 36	<b>27.11</b>	Hill Laboratories	2879173.1
Microbiology Test (s)	Specifications	Results	Tested By	Reference
Aerobic Plate Count	<10000 cfu/g	<b>&lt;50</b>	Gribbles	DU2249496
Yeast	<1000 cfu/g	<b>200</b>	Gribbles	DU2249496
Mould	<1000 cfu/g	<b>&lt;50</b>	Gribbles	DU2249496
<i>Staphylococcus aureus</i>	<50 cfu/g	<b>&lt;50</b>	Gribbles	DU2249496
Total Coliform	<10 cfu/g	<b>&lt;10</b>	Gribbles	DU2249496

### Disclaimer

This Certificate of Analysis (CoA) refers to the results of the above complete suite obtained from various IANZ & RLP Accredited laboratories. Upon request, Cosana NZ will provide full reports of individual test(s). The test report(s) shall not be reproduced except in full, without the written permission of Cosana NZ.

The undersigned hereby certifies the above data to be true specification(s) of the obtained results and assays as per the corresponding sample reference.

Prepared by:

Sign: 

Name: **Kelsey Sosing**

Quality Controller

COSANA NEW ZEALAND

Date: 21st January 2023

Product Released & Approved by:

Sign: 

Name: **Chris Bowman**

Chief Executive Officer

COSANA NEW ZEALAND

Date: 21st January 2023

