



# cosana new zealand

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## Certificate of Analysis

Product Description: **MGO100+ Manuka Honey - 500g - Europe**  
 Batch Number: **CSNZ10852** Manufacture Date: **29th November 2022**  
 Sample Reference: **CSNZ10135** Best Before Date: **28th November 2026**  
 Manuka Honey Classification (MPI, NZ): **Monofloral Manuka Honey**

Chemistry Test (s)	Specifications	Results	Tested By	Reference
Methylglyoxal (MGO)	> than label mg/kg	<b>149</b>	Agritestng	22-J0922-1
HydroxyMethylfurfural (HMF)	< 40 mg/kg	<b>17.6</b>	Agritestng	22-J0922-1
Dihydroxyacetone (DHA)	As tested - mg/kg	<b>491</b>	Agritestng	22-J0922-1
Diastase Activity	≥ 8 Schade/g	<b>11.5</b>	Agritestng	22-J0922-1
Foreign Matter	None Detected	<b>Not Detected</b>	Agritestng	22-J0922-1
Tutin	<0.70 mg/kg	<b>0.078</b>	Hill Laboratories	3103377.1
Moisture Content	<19%	<b>17.6</b>	Agritestng	22-J0922-1
Colour	As tested - pfund	<b>60.0</b>	Agritestng	22-J0922-1
Glyphosate	<0.01 mg/kg	<b>&lt;0.010</b>	Hill Laboratories	3103377.1
Manuka Honey Markers	Specifications	Results	Tested By	Reference
3-Phenyllactic acid (3-PLA)	≥ 400 mg/kg (monofloral) ≥ 20 mg/kg (multifloral)	<b>1010</b>	Hill Laboratories	3103377.1
2-Methoxyacetophenone (2-MAP)	≥ 5 mg/kg (monofloral) ≥ 1 mg/kg (multifloral)	<b>8.5</b>	Hill Laboratories	3103377.1
2-Methoxybenzoic acid (2-MBA)	≥ 1 mg/kg	<b>5.3</b>	Hill Laboratories	3103377.1
4-Hydroxyphenyllactic acid (4-HPLA)	≥ 1 mg/kg	<b>7.9</b>	Hill Laboratories	3103377.1
DNA from Manuka pollen	< Cq 36	<b>23.04</b>	Hill Laboratories	3103377.1
Microbiology Test (s)	Specifications	Results	Tested By	Reference
Aerobic Plate Count	<10000 cfu/g	<b>1400</b>	Gribbles	DU2236363
Yeast	<1000 cfu/g	<b>200</b>	Gribbles	DU2236363
Mould	<1000 cfu/g	<b>&lt;50</b>	Gribbles	DU2236363
<i>Staphylococcus aureus</i>	<50 cfu/g	<b>&lt;50</b>	Gribbles	DU2236363
Total Coliform	<10 cfu/g	<b>&lt;10</b>	Gribbles	DU2236363

### 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: 30th November 2022

Product Released & Approved by:

Sign: \_\_\_\_\_

Name: Chris Bowman

Chief Executive Officer  
COSANA NEW ZEALAND

Date: 30th November 2022

