



# cosana new zealand

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## Certificate of Analysis

Product Description: **MGO50+ Manuka Multifloral - 1Kg - Europe**  
 Batch Number: **CSNZ10662** Manufacture Date: **30 September 2022**  
 Sample Reference: **CSNZ10131** Best Before Date: **29 September 2026**  
 Manuka Honey Classification (MPI, NZ): **Multifloral Manuka Honey**

Chemistry Test (s)	Specifications	Results	Tested By	Reference
Methylglyoxal (MGO)	> than label mg/kg	<b>72</b>	Agritestig	22-J0556-1
HydroxyMethylfurfural (HMF)	< 40 mg/kg	<b>12.0</b>	Agritestig	22-J0556-1
Dihydroxyacetone (DHA)	As tested - mg/kg	<b>177</b>	Agritestig	22-J0556-1
Foreign Matter	None Detected	<b>Not Detected</b>	Agritestig	22-J0556-1
Tutin	<0.70 mg/kg	<b>&lt;0.010</b>	Hill Laboratories	3082447.1
Moisture Content	<19%	<b>17.0</b>	Agritestig	22-J0556-1
Colour	As tested - pfund	<b>53.0</b>	Agritestig	22-J0556-1
Glyphosate	<0.01 mg/kg	<b>&lt;0.010</b>	Hill Laboratories	3082447.1
Manuka Honey Markers	Specifications	Results	Tested By	Reference
3-Phenyllactic acid (3-PLA)	≥ 400 mg/kg (monofloral) ≥ 20 mg/kg (multifloral)	<b>186</b>	Hill Laboratories	3082447.1
2-Methoxyacetophenone (2-MAP)	≥ 5 mg/kg (monofloral) ≥ 1 mg/kg (multifloral)	<b>4.5</b>	Hill Laboratories	3082447.1
2-Methoxybenzoic acid (2-MBA)	≥ 1 mg/kg	<b>2.1</b>	Hill Laboratories	3082447.1
4-Hydroxyphenyllactic acid (4-HPLA)	≥ 1 mg/kg	<b>2.3</b>	Hill Laboratories	3082447.1
DNA from Manuka pollen	< Cq 36	<b>24.45</b>	Hill Laboratories	3082447.1
Microbiology Test (s)	Specifications	Results	Tested By	Reference
Aerobic Plate Count	<10000 cfu/g	<b>4200</b>	Gribbles	DU2236006
Yeast	<1000 cfu/g	<b>400</b>	Gribbles	DU2236006
Mould	<1000 cfu/g	<b>&lt;50</b>	Gribbles	DU2236006
<i>Staphylococcus aureus</i>	<50 cfu/g	<b>&lt;50</b>	Gribbles	DU2236006
Total Coliform	<10 cfu/g	<b>&lt;10</b>	Gribbles	DU2236006

### 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: 

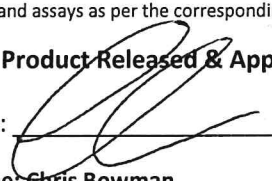
Name: **Kelsey Sosing**

Quality Controller

COSANA NEW ZEALAND

Date: 19 October 2022

Product Released & Approved by:

Sign: 

Name: **Chris Bowman**

Chief Executive Officer

COSANA NEW ZEALAND

Date: 19 October 2022

