



# cosana

## new zealand

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### Certificate of Analysis

Product Description: **MGO50+ Manuka Multifloral - 1Kg - Europe**  
 Batch Number: **CSNZ10983** Manufacture Date: **29th January 2023**  
 Sample Reference: **CSNZ10814** Best Before Date: **28th January 2027**  
 Manuka Honey Classification (MPI, NZ): **Multifloral Manuka Honey**

Chemistry Test (s)	Specifications	Results	Tested By	Reference
Methylglyoxal (MGO)	> than label mg/kg	<b>75</b>	Analytica	22-44510-1
HydroxyMethylfurfural (HMF)	< 40 mg/kg	<b>9.2</b>	Analytica	22-44510-1
Dihydroxyacetone (DHA)	As tested - mg/kg	<b>426</b>	Analytica	22-44510-1
Diastase Activity	≥ 8 Schade/g	<b>24.2</b>	Analytica	22-44510-1
Foreign Matter	None Detected	<b>Absent</b>	Analytica	22-44510-1
Tutin	<0.70 mg/kg	<b>&lt;0.01</b>	Analytica	22-44510-1
Moisture Content	<19%	<b>18.0</b>	Analytica	22-44510-1
Colour	As tested - pfund	<b>63.0</b>	Analytica	22-44510-1
Glyphosate	<0.01 mg/kg	<b>&lt;0.010</b>	Analytica	22-44510-1
Manuka Honey Markers	Specifications	Results	Tested By	Reference
3-Phenyllactic acid (3-PLA)	≥ 400 mg/kg (monofloral) ≥ 20 mg/kg (multifloral)	<b>360</b>	Analytica	22-44510-1
2-Methoxyacetophenone (2-MAP)	≥ 5 mg/kg (monofloral) ≥ 1 mg/kg (multifloral)	<b>6.2</b>	Analytica	22-44510-1
2-Methoxybenzoic acid (2-MBA)	≥ 1 mg/kg	<b>1.7</b>	Analytica	22-44510-1
4-Hydroxyphenyllactic acid (4-HPLA)	≥ 1 mg/kg	<b>3.1</b>	Analytica	22-44510-1
DNA from Manuka pollen	< Cq 36	<b>28.29</b>	Analytica	22-44510-1
Microbiology Test (s)	Specifications	Results	Tested By	Reference
Aerobic Plate Count	<10000 cfu/g	<b>900</b>	Analytica	22-44510-1
Yeast	<1000 cfu/g	<b>330</b>	Analytica	22-44510-1
Mould	<1000 cfu/g	<b>&lt;10</b>	Analytica	22-44510-1
<i>Staphylococcus aureus</i>	<50 cfu/g	<b>Not Detected</b>	Analytica	22-44510-1
Total Coliform	<10 cfu/g	<b>&lt;10</b>	Analytica	22-44510-1

**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 January 2023

Product Released & Approved

bv:

Name: Chris Bowman  
 Chief Executive Officer  
 COSANA NEW ZEALAND  
 Date: 30th January 2023

