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Laboratory Test Report

M5 Holdings Ltd 84 Thornton Road P.O. Box 805

Whakatane

Attention: David Cotter Phone: 07 308 8130

Email: <u>bottling@orahoney.co.nz</u>

Laboratory Reference: 142842
Submitted by: Max
Date Received: 4-Dec-14
Date Completed: 5-Nov-14
Order No. / Ref: 141201
Report Status: Final

Sample Submission Summary

Sample Type	Number	Condition on Arrival
Honey	1	Acceptable

Results Summary

Laboratory ID	Sample ID	DHA (Dihydroxyacetone) mg/kg	MG (Methylglyoxal) mg/kg	NPA ¹ (phenol equivalent) %w/v	HMF (Hydroxymethylfurfural) mg/kg
142842_001	Manuka Honey 141201 10+	765	356	12.0	15.9

Note 1: NPA number calculated from the UMFHA website using the conversion calculation from Methylglyoxal to NPA. This conversion to NPA is outside the IANZ accreditation scope.

Method Summary

Samples were analysed as received by the Laboratory using the 3-in-1 honey method, which involves aqueous extraction, derivatisation, and analysis by UPLC with diode array detection.

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	DHA (mg/kg)	MG (mg/kg)	NPA (%w/v)	HMF (mg/kg)
Reporting Limits =	10	4.0	0.8	1

Analyst Comments: None

Luke Mourits, B.Sc. Technologist

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All tests reported herin have been performed in accordance with the laboratory's scope of accreditation, with the exception of tests marked *, which are not accredited.