



Certificate of Analysis

Wild Honey (NZ) Ltd
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Lab Reference: 17-05094
Submitted by:
Date Received: 6/03/2017
Date Completed: 8/03/2017
Order Number:
Reference: Methylglyoxal

Results Summary

3in1 Honey Analysis

Laboratory ID	Sample ID	Dihydroxyacetone DHA	Methylglyoxal MG	Non-peroxide Activity NPA*	Hydroxymethylfurfural HMF
		mg/kg 10	mg/kg 4	%w/v phenol eq. 0.8	mg/kg 1
		<i>Units Reporting Limit</i>			
17-05094-1	WH1613	1,600	540	15.4	7
17-05094-2	WH1618	1,730	543	15.5	7

Method Summary

3in1 Determination of Dihydroxyacetone (DHA), Methylglyoxal (MG) and Hydroxymethylfurfural (HMF) by aqueous extraction, derivatisation, and UPLC analysis.

NPA Non-Peroxide Activity (NPA) values are not directly measured by the laboratory, but are calculated from the measured methylglyoxal concentration in the honey according to the requirements of the client. The calculation is based on published data(†) comparing the NPA and methylglyoxal concentration measured in a range of honey samples. These calculated values are not accredited by IANZ and do not imply that the honey is or is not manuka honey. NPA values less than 5 are an estimate based on extrapolation of the relationship between methylglyoxal and NPA

(†) *Isolation by HPLC and characterisation of the bioactive fraction of New Zealand manuka (Leptospermum scoparium) honey. C. J. Adams, et al. Carbohydrate Research 343 (2008) 651-659. And, Corrigendum to "Isolation by HPLC and characterization of the bioactive fraction of New Zealand manuka (Leptospermum scoparium) honey" [Carbohydr. Res. 343 (2008) 651]. Carbohydrate Research 344 (2009) 2609. C. J. Adams, et al.*

Report Comments

Samples were received by Analytica Laboratories in acceptable condition unless otherwise noted on this report.

Jacob Jaine, Ph.D.
Senior Technologist



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