

Analytica Laboratories Limited Ruakura Research Centre 10 Bisley Road Hamilton 3214, New Zealand Ph +64 (07) 974 4740 sales@analytica.co.nz www.analytica.co.nz

Certificate of Analysis

International Food Europe srl Viale Giulio Cesare 92.

Roma 00192

Attention: Francesco De Santis

Phone:

Email: info@naturalepiu.it

NaturalePiù Marks:

Lab Reference:

Submitted by:

Date Received: 24/05/2016 Date Completed: 25/05/2016

16-07155

Order Number: Reference:

Res	ults	Su	mm	ary
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JIIII Holley A	ilalysis				
Laboratory ID	Sample ID	Dihydroxyacetone DHA	Methylglyoxal MG	Non-peroxide Activity NPA*	Hydroxymethylfurfural HMF
	Units Deporting Limit	mg/kg 10	mg/kg 4	%w/v phenol eq. 0.8	mg/kg 1
16-07155-1	AB10516	290	115	6.1	21
16-07155-2	AB11516	538	226	9.1	24
16-07155-3	AB12516	286	178	7.9	18

Method Summary

MetilGliossale

N. Lotto

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.

Megan Grainger, Ph.D.

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.