



Certificate of Analysis

Larnac Manuka GmbH
DamaschkestraBe 32
Berlin 10711
GERMANY

Date: 30-Aug-18
Lab Reference: 10818B2-2

Product Details

Contract Number: H180603
Item Number: FLAR16+500G
Product Description: Larnac Manuka Honey 600+ 500g

Batch Number: 10818B2-2
Manufacture Date: 15/08/2018
Best Before: 14/08/2022

Analysis	Actual Result	Units		Method	Default Detection Limit
Moisture	18.8	%	<20	Refractometer	0.1
Color	100	mm Pfund	>70	Honey Colour Photometer	1
NPA (Non Peroxide Activity)*	16.5	% Phenol Equivalent	>16	Calculated from Methylglyoxal	1
3-Phenyllactic acid*	1,210	mg/kg	>400	LC-MSMS, RLP Official Test 10.05	10.00
2'-Methoxyacetophenone*	17	mg/kg	>5.0	LC-MSMS, RLP Official Test 10.05	1.0
2-Methoxybenzoic Acid*	10.1	mg/kg	>1.0	LC-MSMS, RLP Official Test 10.05	1.0
4-Hydroxyphenyllactic acid*	6.4	mg/kg	>1.0	LC-MSMS, RLP Official Test 10.05	1.0
Aerobic Plate Count 35C*	<10	cfu/g	<1000	APC Petrifilm. APHA 8.82 5th Ed.	10
Yeast*	<50	cfu/g	<200	DRBC agar. APHA 21.5 5th Ed.	50
Moulds*	<50	cfu/g	<200	DRBC agar. APHA 21.5 5th Ed.	50
Manuka Cq*	27.42	Cq	<36	PCR, RLP Official Test 10.04	1.00
Dihydroxyacetone*	1,140	mg/kg	>1000	Aqueous Extraction, Derivatisation, UPLC Analysis	1.0-10.0
Methylglyoxal*	600	mg/kg	>600	Aqueous Extraction, Derivatisation, UPLC Analysis	1.0-10.0
Hydroxymethylfurfural (HMF)*	22	mg/kg	<30	Aqueous Extraction, Derivatisation, UPLC Analysis	1.0-10.0

Honey samples are held at the Midlands Sample room for the length of time depending on the expiry date after reporting. Once the storage period is completed the samples are discarded unless advised by the clients.

≥ means not less than, ≤ means not more than.

* Indicates an analysis that carried out by external Laboratory.

This Certificate of Analysis shall not be reproduced except in full, without the written consent of the this signature:

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