



## Certificate of Analysis

Cargill Japan Ltd.  
Kokusai Bldg. 4F, 3-1-1  
Marunouchi  
Chiyoda-ku  
TOKYO  
JAPAN

**Date:** 22-Sep-20  
**Lab Reference:** 280420B1A-1

### Product Details

**Contract Number:** H200804  
**Item Number:** FMS10+250GJP  
**Product Description:** Mount Somers Manuka Honey MG263+ 250g

**Batch Number:** 280420B1A-1  
**Manufacture Date:** 01/05/2020  
**Best Before:** 30/04/2024

Analysis	Actual Result	Units		Method	Default Detection Limit
Moisture	17.3	%	≤ 20	Refractometer	0.10%
Colour	80	mm Pfund	≥ 70	Honey Colour Photometer	1 mm
NPA (Non Peroxide Activity)*	10.2	% Phenol Equivalent	≥ 10.0	Calculated from Methylglyoxal	1
C4 Sugars	4.8	%	≤ 7.0	AOAC 998.12.	-
Leptosperin	400	mg/kg	≥ 100	Aqueous Extraction, Derivatisation, UPLC Analysis	-
3-Phenyllactic acid*	450	mg/kg	≥ 400	LC-MSMS, RLP Official Test 10.05	10 mg/kg
2'-Methoxyacetophenone*	11.5	mg/kg	≥ 5.0	LC-MSMS, RLP Official Test 10.05	1 mg/kg
2-Methoxybenzoic Acid*	4.3	mg/kg	≥ 1.0	LC-MSMS, RLP Official Test 10.05	1 mg/kg
4-Hydroxyphenyllactic acid*	4.4	mg/kg	≥ 1.0	LC-MSMS, RLP Official Test 10.05	1 mg/kg
Aerobic Plate Count 35C*	120	cfu/g	≤ 1500	MPN TEMPO AC	10 cfu/g
Yeasts & Moulds*	<10	cfu/g	≤ 300	MPN TEMPO YM	10 cfu/g
Manuka Cq*	28.21	Cq	≤ 36	PCR, RLP Official Test 10.04	1 Cq
Dihydroxyacetone (DHA)*	433	mg/kg	≥ 395	Aqueous Extraction, Derivatisation, UPLC Analysis	1.0-10.0 mg/kg
Methylglyoxal (MGO)*	271	mg/kg	≥ 263	Aqueous Extraction, Derivatisation, UPLC Analysis	1.0-10.0 mg/kg
Hydroxymethylfurfural (HMF)*	25.6	mg/kg	≤ 40	Aqueous Extraction, Derivatisation, UPLC Analysis	1.0-10.0 mg/kg
Glyphosate*					
	AMPA None	mg/kg	ND	Aqueous Extraction, Derivatisation, LC-MS/MS	0.005 - 0.02 mg/kg
	Glufosinate None	mg/kg	ND	Aqueous Extraction, Derivatisation, LC-MS/MS	0.005 - 0.02 mg/kg
	Glyphosate None	mg/kg	ND	Aqueous Extraction, Derivatisation, LC-MS/MS	0.005 - 0.02 mg/kg

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:

**Claudine McCormick**  
**BSc (Botany)**  
**Laboratory Supervisor**