



## Certificate of Analysis

Date: 21/5/2020  
Lab Reference: 110520B2-1

### Product Details

**Contract Number:** H200803  
**Item Number:** FMS15+250GJP  
**Product Description:** Mount Somers Manuka Honey MG514+250g

**Batch Number:** 110520B2-1  
**Manufacture Date:** 15/05/2020  
**Best Before:** 14/05/2024

| Analysis                     | Actual Result      | Units               |        | Method  | Default Detection Limit |
|------------------------------|--------------------|---------------------|--------|---|-------------------------|
| Moisture                     | 18.2               | %                   | ≤ 20   | Refractometer                                     | 0.10%                   |
| Colour                       | 97                 | mm Pfund            | ≥ 70   | Honey Colour Photometer                           | 1 mm                    |
| NPA (Non Peroxide Activity)* | 15.4               | % Phenol Equivalent | ≥ 15   | Calculated from Methylglyoxal                     | 1                       |
| C4 Sugars                    | 8.7                | %                   | ≤ 10.0 | AOAC 998.12.                                      | -                       |
| Leptosperin                  | 650                | mg/kg               | ≥ 100  | Aqueous Extraction, Derivatisation, UPLC Analysis | -                       |
| 3-Phenyllactic acid*         | 830                | mg/kg               | ≥ 400  | LC-MSMS, RLP Official Test 10.05                  | 10 mg/kg                |
| 2'-Methoxyacetophenone*      | 16.3               | mg/kg               | ≥ 5.0  | LC-MSMS, RLP Official Test 10.05                  | 1 mg/kg                 |
| 2-Methoxybenzoic Acid*       | 10.1               | mg/kg               | ≥ 1.0  | LC-MSMS, RLP Official Test 10.05                  | 1 mg/kg                 |
| 4-Hydroxyphenyllactic acid*  | 8.4                | mg/kg               | ≥ 1.0  | LC-MSMS, RLP Official Test 10.05                  | 1 mg/kg                 |
| Aerobic Plate Count 35C*     | 33                 | cfu/g               | ≤ 1500 | MPN TEMPO AC                                      | 10 cfu/g                |
| Yeasts & Moulds*             | <10                | cfu/g               | ≤ 300  | MPN TEMPO YM                                      | 10 cfu/g                |
| Manuka Cq*                   | 28.23              | Cq                  | ≤ 36   | PCR, RLP Official Test 10.04                      | 1 Cq                    |
| Methylglyoxal (MGO)*         | 538                | mg/kg               | ≥ 514  | Aqueous Extraction, Derivatisation, UPLC Analysis | 1.0-10.0 mg/kg          |
| Hydroxymethylfurfural (HMF)* | 21.0               | mg/kg               | ≤ 40   | Aqueous Extraction, Derivatisation, UPLC Analysis | 1.0-10.0 mg/kg          |
| Glyphosate*                  |                    |                     |        |   |                         |
|                              | AMPA <0.02         | mg/kg               | ND     | Aqueous Extraction, Derivatisation, LC-MS/MS      | 0.005 - 0.02 mg/kg      |
|                              | Glufosinate <0.005 | mg/kg               | ND     | Aqueous Extraction, Derivatisation, LC-MS/MS      | 0.005 - 0.02 mg/kg      |
|                              | Glyphosate <0.010  | 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.

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