

## Certificate of Analysis

**Sample Description:** English Orchard Blossom Honey  
**Sample Reference:** BB: 16 May 26  
**Lab Number:** FS10077674  
**Date Received:** 03/11/2023  
**Date of Issue:** 13/11/2023

**Issue: 1**

| Test Description                 | Method Ref | Result | Reporting Limit | Units                     |
|----------------------------------|------------|--------|-----------------|---------------------------|
| <b><u>Honey Adulteration</u></b> |            |        |                 |                           |
| <b>C13 EA-IRMS (C4 Sugars)</b>   |            |        |                 |                           |
| Honey $\delta^{13}\text{C}$      | NUT05      | -26.67 | NA              | $\delta^{13}\text{C}$ (‰) |
| Protein $\delta^{13}\text{C}$    | NUT05      | -27.19 | NA              | $\delta^{13}\text{C}$ (‰) |
| Difference (Protein-Honey)       | NUT05      | -0.52  | NA              | $\delta^{13}\text{C}$ (‰) |
| C4 Sugar Content*                | NUT05      | 3.0    | 0.0             | %                         |

### Comments

The test results relate only to the supplied sample as received.

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Recovery and measurement of uncertainty data for all UKAS accredited tests available upon request.

\* According to AOAC method 998.12 a result of  $\leq 7\%$  does not indicate the addition of sugar derived from C4 plants (i.e. from corn or cane sugars). (AOAC Official Methods of Analysis Revised First Action 2013)

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