

Test Report No. 210-1303440

QSI GmbH - Flughafendamm 9a - D-28199 Bremen

Elixir Raw Honey
 Kate Crispe
 75 Hummerston Road
 6076 Piesse Brook, Western Australia
 AUSTRALIA

Date: 23-Apr-2024

| | | | |
|----------------------------------|--------------|--------------------------|---------------------------|
| Customer No.: | 13194 | Sample No.: | 536893 |
| Product: | Honig/Honey | | |
| Label: Batch 2317 - Hakea | | | |
| Arrival Date: | 17-Apr-2024 | Start / End of Analysis: | 17-Apr-2024 / 23-Apr-2024 |
| Kind/Origin: | | Packaging: | Kunststoff / plastic |
| Seal: | ohne/without | Temp.: | RT |

AOAC 998.12 VA40260 C4 sugar detection in honey, 13C-Isotope-Mass-Spectrometry, mod.^

| Parameter | Unit | Result |
|----------------------------------|-----------|----------------------------------|
| Honey (H) | d-13C ‰ | -27,46 |
| Protein (P) | d-13C ‰ | -27,04 |
| Difference Protein - Honey (P-H) | d-13C ‰ | +0,42 |
| C4-sugar content* | approx. % | 0,00 |
| Adulteration with C4-sugars | | nicht verfälscht/not adulterated |

Accredited method

Interpretation of the result: White et al., Journal of AOAC International, Vol. 81, No. 3, 1998

* related to average d13C value of corn syrup of -9.7‰ vs. V-PDB Standard

^ Weighing, sample preparation, determination of carbon isotopes, for honey and protein

n.b.: not determinable, because not enough protein can be precipitated for the measurement

The expanded relative measurement uncertainty is 3 % (coverage factor k=2.58; confidence interval 99 %) without taking the sampling into account.

Conclusion:

The determined difference of the isotopic values d-13C Protein - Honey (P-H) shows that this honey sample is not adulterated with C4-sugars (e.g. corn and cane products). With regard to the investigated parameter the honey corresponds to the legal regulations (EU Honey directive 2001/110/EC, Annex 2 Part 1).


Jürgen Wehlitz
Test Manager
Food Chemist



This examination is the basis for special decision guidance.

The test results are exclusively related to the items tested for this sample in the above mentioned time frame for analysis. Method and measurement uncertainty details are available upon request. This report is allowed to be copied completely and unchanged but not in extracts. Furthermore, as well as for statements regarding conformity our General Terms and Conditions of Business are applicable.

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