

CANCELS AND REPLACES*

Sample code Nr. E4-370-12813664 Date 25/11/2013 Page 1/2

Analytical Report Nr. AR-13-AA-133488-02 / E4-370-12813664

(*this report cancels and replaces the previous one, numbered AR-13-AA-133488-01/E4-370-12813664 dated 08/10/2013 which must be destroyed)

Eurofins Turkey Gıda Analizleri Ltd.Şti.

For the attention of Madame Ayse GÜL

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Our reference: E4-370-12813664 / AR-13-AA-133488-02 Type: EX

Client reference : 201300507
Sample described as : HA1 - Ekosera

Conditioning: 21cl

Sample reception date: 24/09/2013 Analysis starting date: 01/10/2013

Sampling/Transport: TNT

Analyses requested: PAJM2: Honey (Multifloral) - Authenticity Package

Batch Number TR3413861 - Halil Öner

Physical analysis Results (uncertainty) Guidelines

A1027 AA Moisture (honey, refractometry) Method: Methods of the International Honey Commission

Refractive index 1.4927

AA0SG AA 1H-NMR profiling of honey (sugars, HMF, sugar add) Method : Internal method, 1H-NMR

Fructose 386.9 (± 24.3) g/kg Glucose 337.2 (± 21.9) g/kg Fructose / Glucose 1.15

 Sucrose
 16.0 (± 5.8) g/kg
 <= 50 (Dir. 2001/110/CE)</td>

 5-HMF
 4 (± 2) mg/kg
 <= 40 (Dir. 2001/110/CE)</td>

 NMR profiling test
 Typical

Isotopic analyses Results (uncertainty) Guidelines

A4005 AA 13C-IRMS Method : AOAC 998.12

(a) Delta C13 (Proteins /V.PDB) -25.8 (± 0.3) %
(a) Delta C13 (Raw product /V.PDB) -25.1 (± 0.3) %

AAC27 AA Calculation for IRMS analyses Method : Internal method, Calculation

AAC27 AA Calculation for iking analyses method . Internal method, Calculation

% C4 sugar (AOAC 998.12) 4.6 %

Compositional analyses Results (uncertainty) Guidelines

A1027 AA Moisture (honey, refractometry) Method : Methods of the International Honey Commission

Moisture 17.52 (± 0.50) g/100 g <= 20 (Dir. 2001/110/CE) %

Statement of compliance of measured parameters (not

covered by the accreditation)

(Based on available reference values)

PASS

CONCLUSION (not covered by the accreditation)

As judged by the results of the analyses performed, and in comparison with industry standards, scientific literature and values at our disposal:

The relation between the parameters delta 13C proteins (/PDB) and delta 13C honey (/PDB), presented on this analytical report, does not indicate an addition of sugar issued from C4 plant (cane or maize), according to the AOAC official method for honey analysis (998.12).

The parameters measured and presented on this analytical report are in agreement with statutory limits displayed above.



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SAS au capital de 3 256 700 € RCS NANTES 423 190 891 SIRET 423 190 891 00022 APE 743 B





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SIGNATURE



Cécile Chabirand Analytical Services Manager

Report electronically validated by Cécile Chabirand

EXPLANATORY NOTE

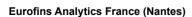
This document can only be reproduced in full; it only concerns the submitted sample.

Results have been obtained and reported in accordance with our general sales conditions available on request.

When declaring compliance or non-compliance, the uncertainty associated with the result has been added or subtracted in order to obtain a result that can be compared to regulatory limits or specifications. The uncertainty has not been taken into account for standards that already include measurement uncertainty.

The tests are identified by a five-digit code, their description is available on request.

The tests identified by the two letters code AA are performed in laboratory Eurofins Analytics France (Nantes). The symbol (a) identifies the tests performed by this laboratory under accreditation NF EN ISO/IEC 17025:2005 COFRAC 1-0287.



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