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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**
 Levent Mahallesi, bambu sokak, no:5
 34330 Levent/ İstanbul /Turkey
 TURQUIE

Email aysegul@eurofins.com

Technical contact for your orders : Séverine Passicos			
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)
	5-HMF	4 (± 2) mg/kg	<= 40 (Dir. 2001/110/CE)
	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	% 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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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.