



## CERTIFICATE OF ANALYSIS

<b>SAMPLE:</b>	HONEY
<b>CUSTOMER:</b>	<b>BUBBA FARM PLT.</b> 10-G, JALAN PAHAT J 15/J, DATARAN OTOMOBIL 40200 SHAH ALAM, SELANGOR, MALAYSIA
<b>SUBJECT:</b>	DETECTION OF ADDED SUGAR IN HONEY
<b>REPORT NUMBER:</b>	102.783
<b>SGS ID:</b>	902-1900591



<b>Sample received:</b>	December 06, 2019	<b>Sample collected by:</b>	Customer
<b>Testing period:</b>	06.12. – 16.12.2019	<b>Number of samples:</b>	1
<b>Methods:</b>	AOAC998.12 03.017 HPLC-IRMS 03.001 EA-IRMS	<b>Analysis:</b>	$\delta^{13}\text{C}$

\*ACCREDITED METHOD

IN PURSUANCE OF AN ORDER RECEIVED FROM OUR CLIENT MENTIONED ABOVE, SGS WERE REQUESTED TO CARRY OUT ISOTOPE ANALYSIS OF SAMPLE WHICH WAS TRANSMITTED BY CLIENT.

**ANALYSIS:** REFERRING TO TEST REPORT ANALYSED BY SGS PARTNER LAB IMPRINT ANALYTICS GMBH. WE WILL REPORT AS FOLLOWS:

### ASSESSMENT:

The tested honey sample complies with the specifications of a non-adulterated honey with C3- and C4-plant sugars.



### SGS Austria Controll-Co. Ges.m.b.H.


Grünbergstrasse 15  
 A-1120 Wien, Austria  
 t: +43 (1)512 25 67-0  
 f: +43 (1)512 25 67-9  
 e: sgs.austria@sgs.com

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**Samples:**

Internal sample no.	External description	Sample volume
102.783/01	Honey, Sample ID: AE99203-1, Bubbabee nature's purest creation raw honey	ca. 80g

**Results:**

Internal sample No.	Honey $\delta^{13}\text{C}_{\text{VPDB}}$ [‰]	Protein $\delta^{13}\text{C}_{\text{VPDB}}$ [‰]	C4-sugar content [%]
102.783/01	-24,5 ±0,1	-23,3 ±0,3	0,0

Internal sample No.	Fructose $\delta^{13}\text{C}_{\text{VPDB}}$ [‰]	Glucose $\delta^{13}\text{C}_{\text{VPDB}}$ [‰]	Disaccharides $\delta^{13}\text{C}_{\text{VPDB}}$ [‰]	Trisaccharides $\delta^{13}\text{C}_{\text{VPDB}}$ [‰]	F-G $\delta^{13}\text{C}_{\text{VPDB}}$ [‰]	max $\Delta$ $\delta^{13}\text{C}_{\text{VPDB}}$ [‰]
102.783/01	-24,1 ±0,0	-24,1 ±0,0	-24,4 ±0,1	-23,4 ±0,2 <sup>1</sup>	0,0	1,1

<sup>1</sup> compound accreditation pendingSpecifications for non-adulterated honey:

C4-sugar content &lt; 7%

F-G ( $\delta^{13}\text{C}$ ) ≤ 1‰max  $\Delta\delta^{13}\text{C}$  ≤ 2,1‰





Pictures:



Sample 102.783/01

ESTABLISHED IN VIENNA ON 16/12/2019

SGS AUSTRIA  
CONTROLL-CO GES.M.B.H.



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