

Client:



Cayli Organik Tarim Limited Sirketi
Egricayir Bali
Arpacbahsis Mh. 326 sok No. 7A
Erdemli Mersin
Turkey

E-Mail: celal@egricayir.com
Your order no. 2020-1

Our reference no.	: PI2009180132		
Product	: Pollen		
Sample description / Batch	: EGRICAYIR BIO BEE POLEN - Lot No. 2020-1		
Sample received on / transported by	: 18.09.2020	Seal	: none
Sample temp. when received / stored	: 15,7	Sampling	: Client
Packaging / Quantity	: Plastic bag / ca. 300g	Start / End of analysis	: 18.09.2020 / 25.09.2020

ANALYSIS REQUESTED: Pollen - botanical and geographical origin (108264)

Parameter	Description	Result	Method
Accomp. Pollen (>15%)	Cistaceae, Cistaceae	25 %	DIN 10760 (a)
Accomp. Pollen (>15%)	Pistacia-T, Anacardiaceae	23 %	DIN 10760 (a)
Significant isolated pollen (>3%)	Quercus ilex-T, Fagaceae, Evergreen Oak-T	14 %	DIN 10760 (a)
Significant isolated pollen (>3%)	Olea-T, Oleaceae, Olive	8 %	DIN 10760 (a)
Significant isolated pollen (>3%)	Juglans, Juglandaceae, Walnut	4 %	DIN 10760 (a)
Isolated pollen	Anacardiaceae, Cashew Family		DIN 10760 (a)
Isolated pollen	Asphodelus, Asphodelaceae, Asphodel		DIN 10760 (a)
Isolated pollen	Cistus, Cistaceae, Rock Rose		DIN 10760 (a)
Isolated pollen	Helianthemum, Cistaceae, Sun Rose		DIN 10760 (a)
Isolated pollen	Achillea-T, Compositae, Yarrow-T		DIN 10760 (a)
Isolated pollen	Cruciferae, Cruciferae, Crucifers		DIN 10760 (a)
Isolated pollen	Ericaceae, Ericaceae		DIN 10760 (a)
Isolated pollen	Gramineae, Gramineae		DIN 10760 (a)
Isolated pollen	Trifolium-T, Leguminosae, Clover-T		DIN 10760 (a)
Isolated pollen	Acacia, Mimosaceae, Acacia		DIN 10760 (a)
Isolated pollen	Pinaceae, Pinaceae		DIN 10760 (a)
Isolated pollen	Reseda-T, Resedaceae, Mignonette		DIN 10760 (a)
Isolated pollen	Rhamnaceae, Rhamnaceae, Buckthorn Family		DIN 10760 (a)
Isolated pollen	Prunus-T, Rosaceae, Stonefruit-T		DIN 10760 (a)
Isolated pollen	Citrus, Rutaceae, Citrus Fruit		DIN 10760 (a)
Isolated pollen	Pollen-T unknown		DIN 10760 (a)

(a) : accredited method. (na) : not accredited method.

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to be continued...



Interpretation:

The relative distribution of the identified pollen types is stated above. Due to the inhomogeneity of pollen bales, the stated percentages for single pollen types may vary. The analysed pollen spectrum indicates "Southern Europe" as regional origin.



Salvador Ruiz Soto
Assistant Testing Supervisor, Biologist

ANALYSIS REPORT No. 2009240903**DATE: 24.09.2020****PAGE 1/1**

Client:

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PA303553**Cayli Organik Tarim Limited Sirketi
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Packaging / Quantity	: Plastic bag / ca. 300g	Start / End of analysis	: 24.09.2020 / 24.09.2020

ANALYSIS REQUESTED: Total Polyphenols (Folin-Ciocalteu) (108235)

Parameter	Result	Unit	Method
Total Polyphenols	2.65	% (g/100 g)	ASU L 47.00-10, mod. (a) ¹
n.d. - not detected < 0.1 % (g/100 g)			
(a) : accredited method. (na) : not accredited method. (1) 2008-12 This document may only be reproduced in full. The results given herein apply to the submitted sample only.			

Interpretation:

In the investigated sample the above stated amount of total polyphenolics, calculated against an external standard calibration of pinocembrin:galangin (2:1), was determined by a modified Folin-Ciocalteu method (reference: Popova MP et al., Apidology 38 (2007) 306-311).

Christopher Schielmann
Responsible Scientist, Certified Food Chemist

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Packaging / Quantity	: Plastic bag / ca. 300g	Start / End of analysis	: 23.09.2020 / 23.09.2020

ANALYSIS REQUESTED: Protein content in pollen (108225)

Parameter	Result	Unit	Method
Protein	17.0	g/100 g	ASU L 06.00-7, mod. (a) ¹
n.d. - not detected < 0.1 g/100 g limit of quantification			
(a) : accredited method. (na) : not accredited method. (1) 2007-04 This document may only be reproduced in full. The results given herein apply to the submitted sample only.			

Interpretation:

The submitted sample shows the above indicated protein content. The content is within the expected range for pollen according to relevant literature (Bodganov S. und Gallmann P: Authenticity of honey and other bee products state of the art, ALP Science 2008, No. 520 as well as Campos MGR et al.: Pollen composition and standardization of analytical methods, Journal of Apicultural Research and Bee World 47(2): 156-163 (2008)).
The protein content was calculated with the factor N*6.25.

Christopher Schielmann
Responsible Scientist, Certified Food Chemist