

# Test Report No. 210-943232

QSI GmbH - Flughafendamm 9a - D-28199 Bremen

Dary Natyry Patrycja Szymańska

Postoliska, ul. Zacisza 51  
05-240 Postoliska,  
Polska

Date: 17-Jun-2022

<b>Customer No.:</b>	<b>12253</b>	<b>Sample No.:</b>	<b>405394</b>
<b>Product:</b>	Honig/Honey		
<b>Label:</b>	<b>28-2022 AKA</b>		
<b>Arrival Date:</b>	13-Jun-2022	<b>Start / End of Analysis:</b>	13-Jun-2022 / 16-Jun-2022
<b>Kind/Origin:</b>	Ukraine	<b>Packaging:</b>	Kunststoff / plastic
<b>Seal:</b>	ohne/without	<b>Temp.:</b>	

## VA223 (2021-04) Pollenanalysis, Acacia (= Robinia) honey, compliance with EC Honey

### Directive

Parameter (Method)	Unit	Result
Electr.conductivity(ASU L 40.00-5, 2021-11, mod <sup>^</sup> )	mS/cm	0,10
Fructose (ASU L 40.00-7, 1999-11, mod <sup>^^</sup> )	g/100g	44,6
Glucose (ASU L 40.00-7, 1999-11, mod <sup>^^</sup> )	g/100g	28,9
F/G-ratio		1,54
Sum Fructose+Glucose	g/100g	73,5
rel.frequency of pollen(ASU L 40.00-11, 2003-12, mod <sup>^^^</sup> )		
Predominant pollen 1	%	keine/none
Predominant pollen 2	%	keine/none
Secondary pollen 1	%	32 Brassicaceae (Kreuzblütler, Crucifers)
Secondary pollen 2	%	27 Robinia pseudoacacia (Falsche Akazie, False Acacia) u.r.
Secondary pollen 3	%	keine/none
Minor pollen 1	%	05 Pirus/Prunus (Obst, Fruit Blossom)
Minor pollen 2	%	05 Amorpha fruticosa (Bastardindigo, false Indigo)
Minor pollen 3	%	01 Phacelia (Büschelschön)

Identified pollentypes	Papaver (Mohn, Poppy) -Type (P); Acer spec. (Ahorn, Maple); Carduus (Diestel ,Thistle)-Type; Apiaceae (Doldenblütler, Umbellifers); Echium (Natternkopf, Bugloss) ü.r.; Plantaginaceae (Wegerichgewächse, Plantain) (P); Filipendula (Mädesüß, Meadow Sweet) (P); Salix sp. (Weiden, Willow); Cornus spec. (Hartriegel, Dogwood); Trifolium repens (Weißklee, White Clover); Arctium (Klette, Burdock); Lamiaceae (Lippenblütler, Labiates); Anacardiaceae (Sumachgewächse); Ambrosia (Traubenkraut, Ragweed) (P); Symphytum (Beinwell, Comfrey); unidentified pollen-types; Achillea (Schafgarben,Yarrow) -Type; Loranthus europaeus (Eichenmistel) (P); Fagopyrum (Buchweizen, Buckwheat); Gleditsia (Gleditsie, Honey locust) -Type; Helianthus annuus (Sonnenblume, Sunflower); Vicia (Wicken, Vetch) -Type; Onobrychis (Espasette, Sainfoin); Aesculus (Roßkastanie, Horse-Chestnut)
HD-Elements, fungal spores *	wenige/few
HD-Elements, waxwool *	keine/none
HD-Elements, waxstrings *	keine/none
Yeastcontent, estimation (VA 262)	mittel/medium
Starchgrains ** (VA 268)	gering/low (=<10%)
Other solid constituents	honigtypisch/honey-specific
Conclusion: Type of honey, HoneyDir., Art.1, Annex I	Blüten/Blossom
<b>Conclusion: Botanical origin, HoneyDirective., Art 2</b>	<b>Robinien (Akazien)/Robinia (Acacia)-</b>
Conclusion: Geographical origin, HoneyDirective, Art. 2	Osteuropa (Ukraine möglich) / Easteuropa (Ukraine possible)
Odour (ASU L 00.90-6, 2015-06, mod.^^^)	schwach trachtypisch / weakly source-specific
Flavour (ASU L 00.90-6, 2015-06, mod.^^^)	schwach trachtypisch / weakly source-specific
Colour (ASU L 00.90-6, 2015-06, mod.^^^)	trachtypisch / source-specific
Consistency (ASU L 00.90-6, 2015-06, mod.^^^)	flüssig / liquid

## Accredited method

u.r. = underrepresented; o.r. = overrepresented; k = counted without pollen from nectarless plants

\*HD = Honeydew; \*\*Starchgrains in % per 300 pollen- and starchgrains counted

^Weighing, ^^Extraction, HPLC conditions, smaller scope,

^^^Adjustment in volume and temperature, ^^^Matrix: only Honey

The expanded relative measurement uncertainty is 10 % (electr. conductivity); 4 % (Fructose); 4 % (Glucose); 8 % (F/G) (coverage factor k=2.58; confidence interval 99 %) without taking the sampling into account.

**Conclusion:**

Based on the results determined within this analysis the honey can be classified as Blüten/Blossom honey according to the current EC-Directive for Honey Art.1, Annex I.

Based on the above determined characteristics a declaration as Robinien (Akazien)/Robinia (Acacia) honey is in accordance with Art. 2 (2b) of the current EC-Honey Directive.

A declaration of geographical origin Osteuropa (Ukraine möglich) / Easteuropa (Ukraine possible) is consistent with the above determined pollen spectrum given current scientific research.

Quality Services International GmbH

Version 0

  
Markus Krieger  
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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