

QSI GmbH - Flughafendamm 9a - D-28199 Bremen

Solmielato
 Apicoltura Filippo Leonardi
 Via Cancelliere, 53
 95019 Zafferana Etnea
 ITALY

Date: 31-Jul-2019

Customer No.:	11770	Sample No.:	189915
Product:	Honig/Honey		
Label: Lot. AR901			
Arrival Date:	19-Jul-2019	Start / End of Analysis:	19-Jul-2019 / 30-Jul-2019
Kind:	Orange	Packaging:	Glas 200 ml
Seal:	unverletzt/intact	Temp.:	RT

VA222 (2014-05) Pollenanalysis, Orangehoney, DIN compliance with EC Honey Directive

Parameter (Method)	Unit	Result
Electr.conductivity(ASU L 40.00-5, 2003-12, mod [^])	mS/cm	0,29
Methylantranilate (VA 157, HPLC)	mg/kg	2,4
rel. frequency of pollen(ASU L 40.00-11, 2003-12, mod. ^{^^})		
Predominant pollen 1	%	59 Hedysarum (Süßklee, Sulla)
Predominant pollen 2	%	keine/none
Secondary pollen 1	%	keine/none
Secondary pollen 2	%	keine/none
Secondary pollen 3	%	keine/none
Minor pollen 1	%	06 Citrus spec. (Orange/Zitrone) u.r.
Minor pollen 2	%	04 Brassica (Raps, Rape) -Type
Minor pollen 3	%	12 Trifolium pratense (Rotklee, Red Clover)
Identified pollentypes		Papaver (Mohn, Poppy) -Type (P); Achillea (Schafgarben,Yarrow) -Type; Echium (Natternkopf, Bugloss) ü.r.; Cistaceae (Zistrosen) (P); Apiaceae (Doldenblütler, Umbellifers); unidentified pollen-types; Castanea sativa (Edelkastanie, Chestnut) ü.r.; Vicia (Wicken, Vetch) -Type; Quercus ilex (Steineiche, Holm Oak) (P); Eucalyptus spec.; Boraginaceae (Rauhblattgewächse); Olea (Ölbaum, Olive) -Type (P); Serratula (Distel, Thistle) -Type; Plantaginaceae (Wegerichgewächse, Plantain) (P); Rubus (Himbeer, Raspberry)-Type; Poaceae (Süßgräser, Grasses) (P); Allium (Lauch, Leek)-Type; Pirus/Prunus (Obst, Fruit Blossom);
HD-Elements, fungal spores *		wenige/few
HD-Elements, waxwool *		keine/none
HD-Elements, waxstrings *		keine/none

Yeastcontent, estimated (VA 262)	gering/low
Starchgrains ** (VA 268)	gering/low (= < 10%)
Other solid constituents	honigtypisch/honey-specific
Conclusion: Type of honey, HoneyDir., Art.1, Annex I	Blüten/Blossom
Conclusion: Botanical origin, HoneyDirective., Art 2	Blüten mit Anteil an Orangen/Blossom with Orange
Conclusion: Geographical origin, HoneyDirective, Art. 2	Italien/Italy
Odour (ASU L 00.90-6, 2015-06, mod.^^)	trachttypisch / source-specific
Flavour (ASU L 00.90-6, 2015-06, mod.^^)	trachttypisch/source-specific
Colour (ASU L 00.90-6, 2015-06, mod.^^)	trachttypisch/source-specific
Consistency (ASU L 00.90-6, 2015-06, mod.^^)	flüssig/liquid

Accredited method

u.r. = underrepresented; o.r. = overrepresented, k = counts without nectarless plants

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

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

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 Blüten mit Anteil an Orangen/Blossom with Orange honey is in accordance with Art. 2 (2) of the current EC-Directive for Honey.

A declaration of the geographical origin Italien/Italy is consistent with 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.

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