

Test Report No. 210-699711

QSI GmbH - Flughafendamm 9a - D-28199 Bremen

Date: 06-Apr-2021

		Sample No.:	312499
Product:	Honig/Honey		
Label: 20-0217			
Arrival Date:	31-Mar-2021	Start / End of Analysis:	31-Mar-2021 / 06-Apr-2021
Kind/Origin:	Ukraine	Packaging:	Kunststoff / plastic
Seal:	ohne/without	Temp.:	RT

VA161 (2019-07) Tradeanalysis: Moisture, HMF, Diastase, pH, Acidity, Honey-Directive

Parameter	Method	Unit	Result
Moisture	ASU L40.00-2/1, 2019-07	%	16,5
HMF (Hydroxymethylfurfural)	ASU L 40.00-10/1, 2012-01	mg/kg	4,6
Diastase activity	ASU L 40.00-1, 2019-07 mod.^	DN Schade	19,0
pH-value	ASU L 40.00-6, 2011-06		4,1
Acidity*	ASU L 40.00-6, 2011-06	meq/kg	15,1
Accordance with EC Honey Directive			Speisehonig/table honey

Accredited method

* if acidity is < 17 (or < 10 in specific honey types), proline content will be determined automatically

^Weighing and amount of buffer; adaptation to Random Access Analyzer

The expanded relative measurement uncertainty is 0.8 % (Moisture); 9 % (HMF); 12 % (Diastase); 0.5 % (pH-value); 10 % (acidity)
 (coverage factor k=2.58; confidence interval 99 %) without taking the sampling into account.

Conclusion:

The determined values are in accordance with the requirements of Council Directive 2001/110/EC Annex II of 20. December 2001 relating to Speisehonig/table honey.

Quality Services International GmbH

Version 0



Martin Linkögel
Test Manager
Food Chemist

This examination is the basis for special decision guidance.

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Test Report No. 210-699713

QSI GmbH - Flughafendamm 9a - D-28199 Bremen

Date: 06-Apr-2021

		Sample No.:	312499
Product:	Honig/Honey		
Label: 20-0217			
Arrival Date:	31-Mar-2021	Start / End of Analysis:	31-Mar-2021 / 03-Apr-2021
Kind/Origin:	Ukraine	Packaging:	Kunststoff / plastic
Seal:	ohne/without	Temp.:	RT

VA45205 (2016-02) Antibiotics, Tetracyclines, LC-MS/MS (LOQ 5 ppb), Honey

Parameter in µg/kg	MRL**	LOQ*	Result
Oxytetracycline***		5	n.n.
Tetracycline***		5	n.n.
Chlortetracycline***		5	n.n.
Doxycycline		5	n.n.
Demeclocycline		5	n.n.
Methacycline		5	n.n.
Minocycline		5	n.n.

Accredited method

* LOQ = limit of quantitation; n.n. = below LOQ

**no legal limit (MRL) acc. to 470/2009/EC + 37/2010/EU: no permit for use of antibiotics in beekeeping

*** Sum of parent drug and its 4-epimer

The expanded relative measurement uncertainty is 40 % (coverage factor k=2.58; confidence interval 99 %) without taking the sampling into account.

Conclusion:

Under consideration of above indicated limit of quantitation this result complies with EU Regulation 37/2010 (residues of pharmacologically active substances in foodstuffs of animal origin).

Quality Services International GmbH

Version 0


Mandy Weigel
Test Manager
Food Chemist



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Test Report No. 210-699719

QSI GmbH - Flughafendamm 9a - D-28199 Bremen

Date: 06-Apr-2021

		Sample No.:	312499
Product:	Honig/Honey		
Label: 20-0217			
Arrival Date:	31-Mar-2021	Start / End of Analysis:	31-Mar-2021 / 03-Apr-2021
Kind/Origin:	Ukraine	Packaging:	Kunststoff / plastic
Seal:	ohne/without	Temp.:	RT

VA86214 (2018-09) Chloramphenicol (CAP), LC-MS/MS, Honey (LOQ 0,1 ppb)

Parameter in µg/kg	MRL**	LOQ*	Result
Chloramphenicol		0,1	n.n.

Accredited method

* LOQ = limit of quantitation; n.n. = below LOQ MRPL (2003/181/EG) = 0,3 µg/kg

** Prohibited substance acc. to EU Regulation 37/2010 Annex Table 2

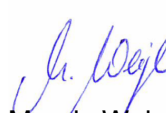
The expanded relative measurement uncertainty is 40 % (coverage factor k=2.58; confidence interval 99 %) without taking the sampling into account.

Conclusion:

Under consideration of above indicated limit of quantitation this result complies with EU Regulation 37/2010 (residues of pharmacologically active substances in foodstuffs of animal origin).

Quality Services International GmbH

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Test Report No. 210-699717

QSI GmbH - Flughafendamm 9a - D-28199 Bremen

Date: 06-Apr-2021

		Sample No.:	312499
Product:	Honig/Honey		
Label: 20-0217			
Arrival Date:	31-Mar-2021	Start / End of Analysis:	31-Mar-2021 / 03-Apr-2021
Kind/Origin:	Ukraine	Packaging:	Kunststoff / plastic
Seal:	ohne/without	Temp.:	RT

VA45282 (2015-08) Antibiotic, Nitroimidazoles, LC-MS/MS, Honey

Parameter in µg/kg	MRL**	LOQ*	Result
Metronidazole		0,5	n.n.
Dimetridazole		2,5	n.n.
Ronidazole		0,5	n.n.

Accredited method

* LOQ = limit of quantitation, n.n. = below LOQ

** Prohibited substance acc. to EU Regulation 37/2010 Annex Table 2

The expanded relative measurement uncertainty is 40 % (coverage factor k=2.58; confidence interval 99 %) without taking the sampling into account.

Conclusion:

Under consideration of above indicated limit of quantitation this result complies with EU Regulation 37/2010 (residues of pharmacologically active substances in foodstuffs of animal origin).

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Test Report No. 210-699716

QSI GmbH - Flughafendamm 9a - D-28199 Bremen

Date: 06-Apr-2021

		Sample No.:	312499
Product:	Honig/Honey		
Label: 20-0217			
Arrival Date:	31-Mar-2021	Start / End of Analysis:	31-Mar-2021 / 03-Apr-2021
Kind/Origin:	Ukraine	Packaging:	Kunststoff / plastic
Seal:	ohne/without	Temp.:	RT

VA45276 (2018-03) Antibiotics, Macrolides and Fluoroquinolones (31 substances, LOQ 5 µg/kg ^), Honey

Parameter in µg/kg	MRL**	LOQ*	Result
>>>Macrolide Antibiotics			
Clindamycin		5	n.n.
Sum Erythromycin A***		5	n.n.
Josamycin		5	n.n.
Kitasamycin		5	n.n.
Lincomycin		5	n.n.
Oleandomycin		5	n.n.
Spiramycin		5	n.n.
Mirosamycin		5	n.n.
Tilmicosin		5	n.n.
Tylosin A		5	n.n.
Tylosin B		5	n.n.
>>>Fluoroquinolone Antibiotics			
Enrofloxacin		5	n.n.
Sarafloxacin		5	n.n.
Flumequine		5	n.n.
Difloxacin		5	n.n.
Ciprofloxacin		5	n.n.
Ofloxacin		5	n.n.
Oxolinic acid		5	n.n.
Sparfloxacin		5	n.n.
Danofloxacin		5	n.n.
Fleroxacin		5	n.n.
Norfloxacin		5	n.n.

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Enoxacin	5	n.n.
Marbofloxacin	5	n.n.
Nalidixic acid	5	n.n.
Cinoxacin	5	n.n.
Lomefloxacin	5	n.n.
Nadifloxacin	5	n.n.
Orbifloxacin	5	n.n.
Pazufloxacin	5	n.n.
Pefloxacin	5	n.n.
Pipemidic acid	5	n.n.

Accredited method

* LOQ = limit of quantitation, n.n. = below LOQ

** no legal limit (MRL) acc. to 470/2009/EC + 37/2010/EU: no permit for use of antibiotics in beekeeping

*** contains Erythromycin A and Anhydroerythromycin A

^ Equivalent to FDA method fluoroquinolone residues in honey, dated September 29, 2006

The expanded relative measurement uncertainty is 40 % (coverage factor $k=2.58$; confidence interval 99 %) without taking the sampling into account.

Conclusion:

Under consideration of above indicated limit of quantitation this result complies with EU Regulation 37/2010 (residues of pharmacologically active substances in foodstuffs of animal origin).

Quality Services International GmbH

Version 0


 Mandy Weigel
 Test Manager
 Food Chemist



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Test Report No. 210-699718

QSI GmbH - Flughafendamm 9a - D-28199 Bremen

Date: 06-Apr-2021

		Sample No.:	312499
Product:	Honig/Honey		
Label: 20-0217			
Arrival Date:	31-Mar-2021	Start / End of Analysis:	31-Mar-2021 / 03-Apr-2021
Kind/Origin:	Ukraine	Packaging:	Kunststoff / plastic
Seal:	ohne/without	Temp.:	RT

VA45301 (2020-11) Antibiotics, Nitrofurantoin Metabolites, LC-MS/MS in Honey

Parameter in µg/kg	MRL**	LOQ*	Result
Semicarbazide (from Nitrofurazone)		0,5	n.n.
AOZ (from Furazolidone)		0,5	n.n.
AHD (from Nitrofurantoin)		0,5	n.n.
AMOZ (from Furaltadon)		0,5	n.n.

Accredited method

* LOQ = limit of quantitation; n.n. = below LOQ; MRPL (Minimum required performance limit according to 2003/181/EG) = 1 µg/kg

** Prohibited substance acc. EU-Regulation 37/2010 Annex Table 2

The expanded relative measurement uncertainty is 40 % (coverage factor k=2.58; confidence interval 99 %) without taking the sampling into account.

Conclusion:

Under consideration of above indicated limit of quantitation this result complies with EU Regulation 37/2010 (residues of pharmacologically active substances in foodstuffs of animal origin).

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Test Report No. 210-699714

QSI GmbH - Flughafendamm 9a - D-28199 Bremen

Date: 06-Apr-2021

		Sample No.:	312499
Product:	Honig/Honey		
Label: 20-0217			
Arrival Date:	31-Mar-2021	Start / End of Analysis:	31-Mar-2021 / 03-Apr-2021
Kind/Origin:	Ukraine	Packaging:	Kunststoff / plastic
Seal:	ohne/without	Temp.:	RT

VA45227 (2018-01) Antibiotics, Streptomycins, LC-MS/MS, Honey (LOQ 5 ppb)

Parameter in µg/kg	MRL**	LOQ*	Result
Streptomycin		5	n.n.
Dihydrostreptomycin		5	n.n.

Accredited method

* LOQ = limit of quantitation; n.n. = below LOQ

** no legal limit (MRL) acc. to 470/2009/EC + 37/2010/EU: no permit for use of antibiotics in beekeeping

The expanded relative measurement uncertainty is 40 % (coverage factor k=2.58; confidence interval 99 %) without taking the sampling into account.

Conclusion:

Under consideration of above indicated limit of quantitation this result complies with EU Regulation 37/2010 (residues of pharmacologically active substances in foodstuffs of animal origin).

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Test Report No. 210-699715

QSI GmbH - Flughafendamm 9a - D-28199 Bremen

Date: 06-Apr-2021

		Sample No.:	312499
Product:	Honig/Honey		
Label:	20-0217		
Arrival Date:	31-Mar-2021	Start / End of Analysis:	31-Mar-2021 / 03-Apr-2021
Kind/Origin:	Ukraine	Packaging:	Kunststoff / plastic
Seal:	ohne/without	Temp.:	RT

VA45237 (2010-08) Antibiotics, Sulfonamides, Trimethoprim, LC-MS/MS (LOQ 5 ppb), Honey

Parameter in µg/kg	MRL**	LOQ*	Result
Sulfadimethoxine		5	n.n.
Sulfaquinoxaline		5	n.n.
Sulfamethizole		5	n.n.
Sulfachlorpyridazine		5	n.n.
Sulfamoxole		5	n.n.
Sulfadoxine		5	n.n.
Sulfasalazine		5	n.n.
Sulfabenzamide		5	n.n.
Sulfaguanidine		5	n.n.
Sulfanilamide		5	n.n.
Sulfacetamide		5	n.n.
Sulfadiazine		5	n.n.
Sulfathiazole		5	n.n.
Sulfapyridine		5	n.n.
Sulfamerazine		5	n.n.
Sulfamer		5	n.n.
Sulfadimidine (= Sulfamethazine)		5	n.n.
Sulfamethoxypyridazine		5	n.n.
Sulfamethoxazole		5	n.n.
Trimethoprim		5	n.n.
Sulfamonomethoxine		5	n.n.
Sulfaclozine		5	n.n.
Sulfisoxazole		5	n.n.
Succinylsulfathiazole		5	n.n.

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Sulfaphenazole	5	n.n.
Sulfisozole	5	n.n.
Sulfisomidine	5	n.n.

Accredited method

* LOQ = limit of quantitation; n.n. = below LOQ

**no legal limit (MRL) acc. to 470/2009/EC + 37/2010/EU: no permit for use of antibiotics in beekeeping

The expanded relative measurement uncertainty is 40 % (coverage factor $k=2.58$; confidence interval 99 %) without taking the sampling into account.

Conclusion:

Under consideration of above indicated limit of quantitation this result complies with EU Regulation 37/2010 (residues of pharmacologically active substances in foodstuffs of animal origin).

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Mandy Weigel
Test Manager
Food Chemist



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