

The Beneficial Qualities and Purity of
Maharishi Honey
are Documented by Laboratory Tests from:

MAHARISHI HONEY MADHU TASTE 25

Institut für Honig-Analytik
Quality Services International GmbH Dr. C. Lüllmann
Sworn Chemist Appointed by the Free Hanseatic City of Bremen
Vereidigter Handelschemiker der Handelskammer Bremen -
Sachverständiger für amtliche Gegenproben



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Printed: 28-Apr-2006
205 / 1

Date: 28-Apr-2006

Order: 26489/10763

Order Date: 04-Apr-2006

Product: Honig/Honey

Kind:

Label: B/RNmx/09-11-05a / VMnm/MT 25

Sample-No.: 10961

Sample Date: 04-Apr-2006

Packaging: Glas 750 ml

Seal: ohne/without

The test results are exclusively related to the items tested for this sample. This report is allowed to be copied completely and unchanged but not in extracts. Test period: order date till date of this report.

Chemical-physical analysis (25405)**Amino acids (24x), Aminoacid analysator after disintegration with acid, art. 35 LMBG L 49.07-2, foodstuff**

(Method)	[Unit]	Result
Alanine		: 9,9 mg/100g
alpha-Amino butyric acid		: <0,05 mg/100g
Arginine		: 8,7 mg/100g
Asparagine acid		: 28,7 mg/100g
Carnosine		: <0,5 mg/100g
Citrulline		: <0,5 mg/100g
Cystine		: <0,05 mg/100g
Glutamine acid		: 87,4 mg/100g
Glycine		: 8,4 mg/100g
Histidine		: 4,7 mg/100g
Hydroxyproline		: <0,5 mg/100g
Isoleucine		: 9,9 mg/100g
Leucine		: 10,3 mg/100g
Lysine		: 8,5 mg/100g
Methionine		: 1,7 mg/100g
Ornithine		: <0,5 mg/100g
Phenylalanine		: 5,1 mg/100g
Phosphoethanolamine		: <0,05 mg/100g
Proline		: 75,9 mg/100g
Serine		: 16,1 mg/100g
Taurine		: <0,5 mg/100g
Threonine		: 12,5 mg/100g
Tyrosine		: <0,5 mg/100g

Order No.: 26489

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Customer No.: 10763

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Printed: 10-Apr-2006
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Date: 10-Apr-2006

Order: 26484/10763
Order Date: 04-Apr-2006
Product: Honig/Honey
Kind:
Label: B/RNmx/09-11-05a / VMnm/MT 25

Sample-No.: 10961
Sample Date: 04-Apr-2006
Packaging: Glas 750 ml
Seal: ohne/without

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Chemical-physical analysis (76161)

Pb, Cd, Hg, AAS/ICP-MS with disintegration, honey

Substance in [mg/kg=ppm]	permitted level**	log*	Result
Lead (Pb)		0,05	: n.n.
Cadmium (Cd)		0,02	: n.n.
Mercury (Hg)		0,02	: n.n.

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

** for honey no official regulation

The examination has to be considered as part of the duty of care in usual business.

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Testmanager: gb

Order No.: 26484

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Order: 26486/10763
Order Date: 04-Apr-2006
Product: Honig/Honey
Kind:
Label: B/RNmx/09-11-05a / VMmm/MT 25

Sample-No.: 10961
Sample Date: 04-Apr-2006
Packaging: Glas 750 ml
Seal: ohne/without

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Chemical-physical analysis (75006)

Element-analysis (max. 6 signals), AAS/ICP-MS

Signal no.	Substance in [mg/kg]
1.	: Copper(Cu): 0,4
2.	: Iron(Fe): 3
3.	: Calcium(Ca): 50
4.	: Magnesium(Mg): 100
5.	: Zinc(Zn): 3
6.	: Sodium(Na): <20

n.n. = below loq

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Order: 26485/10763
Order Date: 04-Apr-2006
Product: Honig/Honey
Kind:
Label: B/RNmx/09-11-05a / VMmm/MT 25

Sample-No.: 10961
Sample Date: 04-Apr-2006
Packaging: Glas 750 ml
Seal: ohne/without

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Chemical-physical analysis (75006)
Element-analysis (max. 6 signals), AAS/ICP-MS

Signal no.	Substance in [mg/kg]
1.	: Potassium(K): 1900
2.	: Phosphorous(P): 100
3.	: Chromium(Cr): <0,2
4.	: Selenium(Se): <0,2
5.	: Manganese(Mn): 1,6
6.	: -

n.n. = below loq

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Order: 26436/10763
Order Date: 04-Apr-2006
Product: Honig/Honey
Kind:
Label: B/RNmx/09-11-05a / VMmm/MT 25

Sample-No.: 10961
Sample Date: 04-Apr-2006
Packaging: Glas 750 ml
Seal: ohne/without

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Chemical-physical analysis (109)

Tradeanalysis, Moisture, HMF, Diastase, pH, Acidity, Honey-Directive

	(Method)	[Unit]	Result
Water content	(DIN 10752)	[%]	: 17,9
HMF (Hydroxymethylfurfural)	(DIN 10751,part 1)	[mg/kg]	: 19,9
Diastase activity	(DIN 10750)		: 17,4
pH-value	(DIN 10756)		: 4,3
Acidity*	(DIN 10756)	[mequ/kg]	: 30,0
Accordance with EC Honey Directive			: Speisehonig/Tablehoney

n.n. = below loq

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

Chemical-physical analysis (148)

Invertase, DIN, Siegenthaler Unit, Honey

	(Method)	[Unit]	Result
Saccharase (Invertase)	(DIN 10759-1)	[U/kg]	: 68,8

n.n. = below loq, theoretical calculation Siegenthaler-Hadorn: S/7,344752 = H

Chemical-physical analysis (155)

Water-insoluble solids content, honey, gravimetric, DIN 10757 (draft)

	(Method)	[Unit]	Result
Water-insoluble solids content	(gravimetric)	[g/100g]	: 0,01
Accordance with the EC Honey Directive			: is according

n.n. = below loq

Regarding the above determined parameter the honey is according to the Council Directive 2001/110/EC of 20. december 2001.

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Order Date: 04-Apr-2006

Product: Honig/Honey

Kind:

Label: B/RNrx/09-11-05a / VMnm/MT 25

Sample-No.: 10961

Sample Date: 04-Apr-2006

Packaging: Glas 750 ml

Seal: ohne/without

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Chem.-phy.,microsc., sensoric analysis (220)

Pollenanalysis, DIN 10760

	(Method)	[Unit]	Result
Electr. conductivity (DIN 10753)	[mS/cm]	: 0,70	
Predominant pollen 1	[in ca. %]	: 65 Combretaceae (Langfadengewächse)	
Predominant pollen 2	[in ca. %]	: keine/none	
Secondary pollen 1	[in ca. %]	: keine/none	
Secondary pollen 2	[in ca. %]	: keine/none	
Secondary pollen 3	[in ca. %]	: keine/none	
Minor pollen 1	[in ca. %]	: 13 Sapindaceae (Seifenbaumgewächse)	
Minor pollen 2	[in ca. %]	: 08 Anacardiaceae (Sumachgewächse)	
Minor pollen 3	[in ca. %]	: keine/none	
Identified pollentypes		: Palmae (Palmen, Palms); Vernonia-Type; Acacia sp. (Akazie, Acacia); unidentified Pollen; Restpollen;	
HD-Elements, fungal spores *		: wenige/few	
HD-Elements, waxwool *		: keine/none	
HD-Elements, waxstrings *		: keine/none	
Yeastcontent, estimation		: gering/low	
Starchgrains **		: einige/some (<16%)	
Other solid constituents		: honigtypisch/honey-specific	
Kind of honey, HDir., Art. 1, Annex I		: Blüte/HT / Blossom/Honeydew	
Botanical origin, HDir., Art 2, (2)		: Blossom	
Geographical origin, HDir, Art. 2, (2)		: possibly Brazil	
Odour		: honigtypisch/honey-specific	
Flavour		: honigtypisch/honey-specific	

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Date: 12-Apr-2006

Order: 26488/10763
Order Date: 04-Apr-2006
Product: Honig/Honey
Kind:
Label: B/RNmx/09-11-05a / VMnm/MT 25

Sample-No.: 10961
Sample Date: 04-Apr-2006
Packaging: Glas 750 ml
Seal: ohne/without

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Chemical-physical analysis (25400)
Protein, Kjeldahl (Nx6,25)

	(Method)	[Unit]	Result
Protein	(N x 6,25)	[%]	: 1,0

Chemical-physical analysis (25410)
Fat, Soxhlet-extraction with petroleum benzene

	(Method)	[Unit]	Result
Fat	(Soxhlet)	[%]	: 0,05

This examination may be regarded as part of due diligence in regular business practice.

Quality Services International GmbH

Testmanager: gb

Order No.: 26488
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Order: 26493/10763
Order Date: 04-Apr-2006
Product: Honig/Honey
Kind:
Label: B/RNmx/09-11-05a / VMnm/MT 25

Sample-No.: 10961
Sample Date: 04-Apr-2006
Packaging: Glas 750 ml
Seal: ohne/without

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Chemical-physical analysis (30885)
Laboratory work, 4,0 h

Description : Folic acid, microbiol: 0,736 μ g/100g

This examination may be regarded as part of due diligence in regular business practice.

Quality Services International GmbH

Testmanager: gb

Order No.: 26493
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SN: 35623

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Product: Honig/Honey

Kind:

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Sample-No.: 10961

Sample Date: 04-Apr-2006

Packaging: Glas 750 ml

Seal: ohne/without

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Chemical-physical analysis (30883)

Laboratory work, 2,0 h

Description : Niacin HPLC: <0,3mg/100g

Chemical-physical analysis (30884)

Laboratory work, 3,0 h

Description : Biotin, microbiol.: 1,46µg/100g

Chemical-physical analysis (30885)

Laboratory work, 4,0 h

Description : Panthothenic acid microbiol.: 0,233mg/100g

This examination may be regarded as part of due diligence in regular business practice.

Quality Services International GmbH

Testmanager: wz

Order No.: 26492

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Chemical-physical analysis (47100)

Ascorbic acid (vitamin C), HPLC, foodstuff

Substance in [mg/100g]	loq*	result
Ascorbic acid (Vitamin C)	10	: <3

* loq = limit of quantitation, n.n./n.n. = below loq

Chemical-physical analysis (47112)

Vitamin A, HPLC, foodstuff

	(method)	[unit]	result
Vitamin A	(HPLC)	[mg/100g]	: <0,005

n.n. = not detectable

Chemical-physical analysis (47116)

Vitamin B1 (Thiamin), B2 (Riboflavin), B6 (Pyridoxin), HPLC, foodstuff

	(Method)	[Unit]	Result
Vitamin B1	(HPLC)	[mg/100g]	: <0,02 >0,01
Vitamin B2	(HPLC)	[mg/100g]	: <0,05 >0,02
Vitamin B6	(HPLC)	[mg/100g]	: <0,05

n.n./n.n. = below loq, < = lower than

Order No.: 26491

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Date: 07-Apr-2006

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Order Date: 04-Apr-2006

Product: Honig/Honey

Kind:

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Sample-No.: 10961

Sample Date: 04-Apr-2006

Packaging: Glas 750 ml

Seal: ohne/without

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Chemical-physical analysis (40260)

Adulteration, 13C-Isotope-Mass-Spectrometry, AOAC-method 991.41, Honey with protein

	(Method)	[Unit]	Result
Honey	(AOAC 991.41)	[d-13C ‰]	: -24,8
Protein of honey	(AOAC 991.41)	[d-13C ‰]	: -24,5
Difference protein-honey	(AOAC 991.41)	[d-13C ‰]	: +0,3
C4-sugar-content	(AOAC 991.41)	[%]	: -
Adulteration with C4-sugar			: not adulterated

Judgement of the result: White et al., Journal of AOAC International, Vol. 81, No. 3, 1998

The above determined difference between d-13C Protein minus d-13C Honey shows unequivocally that this honey sample is not adulterated with C4-sugars (eg. corn and cane products).

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Testmanager: gb

Order No.: 26480

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Michael Lambert - Dr. Cord Lüllmann

Institut für Honig-Analytik
Quality Services International GmbH Dr. C. Lüllmann

Accreditation ISO 17025 AKS-P-20404-EU Sworn Chemist Appointed by Bremen
Vereidigter Handelschemiker der Handelskammer Bremen - Sachverständiger für amtliche Gegenproben

Dr. C.Lüllmann - Flughafenamm 9a - D-28199 Bremen

Maharishi Vedic
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Österreich

Printed: 06-Apr-2006
205 / 1
Date: 06-Apr-2006

Order: 26481/10763
Order Date: 04-Apr-2006
Product: Honig/Honey
Kind:
Label: B/RNmx/09-11-05a / VMnm/MT 25

Sample-No.: 10961
Sample Date: 04-Apr-2006
Packaging: Glas 750 ml
Seal: ohne/without

The test results are exclusively related to the items tested for this sample. This report is allowed to be copied completely and unchanged but not in extracts. Test period: order date till date of this report.

Chemical-physical analysis (86505)

Amitraz, LC-MS, Honey

Substance in [mg/kg=ppm]	permitted level**	loq*	Result
2,4-Dimethylanilin, calc. as Amitraz	0,2	0,02	: n.n.

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

** for honey according to EC Directive 2377/90

With respect to our examination program the sample is according to the actual German Pesticide Directive RHMV (Rückstands-Höchstmengenverordnung).

Quality Services International GmbH

Testmanager: gb

Order No.: 26481

SN: 35611

Customer No.: 10763

Page 1 of 1 pages

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Amtsgericht Bremen HRB 18842
Managing Director: Gudrun Beckh -
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Printed: 07-Apr-2006
205 / 1
Date: 07-Apr-2006

Order: 26475/10763
Order Date: 04-Apr-2006
Product: Honig/Honey
Kind:
Label: B/RNmx/09-11-05a / VMmm/MT 25

Sample-No.: 10961
Sample Date: 04-Apr-2006
Packaging: Glas 750 ml
Seal: ohne/without

The test results are exclusively related to the items tested for this sample. This report is allowed to be copied completely and unchanged but not in extracts. Test period: order date till date of this report.

Microbiological analysis (50285)
Clostridium botulinum, Paragr. 35 LMBG, Microbiology
Test (Method) Result

Clostridium botulinum/g : negative

Comment to the result acc. LMBG, < 10 = tested bacteria not detectable in a dilution of the sample 1:10,
< 100 in a dilution 1:100 and so on.

The examination has to be considered as part of the duty of care in usual business.

Quality Services International GmbH

Testmanager: gb

Order No.: 26475

SN: 35605

Customer No.: 10763

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Printed: 06-Apr-2006

205 / 1

Date: 06-Apr-2006

Order: 26487/10763

Order Date: 04-Apr-2006

Product: Honig/Honey

Kind:

Label: B/RNmx/09-11-05a / VMmm/MT 25

Sample-No.: 10961

Sample Date: 04-Apr-2006

Packaging: Glas 750 ml

Seal: ohne/without

The test results are exclusively related to the items tested for this sample. This report is allowed to be copied completely and unchanged but not in extracts. Test period: order date till date of this report.

Chemical-physical analysis (45301)

Antibiotics, Nitrofurantoin Metabolites, LC-MS/MS, Honey

Substance in [$\mu\text{g}/\text{kg}$]	permitted level (MRL)**	loq*	Result
Semicarbazid (from Nitrofurazon)**		0,5	: n.n.
AOZ (from Furazolidon)	**	0,5	: n.n.
AH (from Nitrofurantoin)	**	0,5	: n.n.
AMOZ (from Furaltadon)	**	0,5	: n.n.

* loq = limit of quantitation; n.n. = below loq MRPL (2003/181/EG) 1 $\mu\text{g}/\text{kg}$

**no legal limit as acc. EC-Reg. 2377/90, Annex IV not permitted generally for all food of animal origin

Under consideration of above indicated limit of quantitation this sample is within the range of this analysis according to the EEC Regulation for veterinary medicinal products in foodstuff of animal origin (2377/90 and following ones).

Quality Services International GmbH

Testmanager: gb

Order No.: 26487

SN: 35617

Customer No.: 10763

Page 1 of 1 pages

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Printed: 05-Apr-2006
205 / 1
Date: 05-Apr-2006

Order: 26478/10763
Order Date: 04-Apr-2006
Product: Honig/Honey
Kind:
Label: B/RNmx/09-11-05a / VMmm/MT 25

Sample-No.: 10961
Sample Date: 04-Apr-2006
Packaging: Glas 750 ml
Seal: ohne/without

The test results are exclusively related to the items tested for this sample. This report is allowed to be copied completely and unchanged but not in extracts. Test period: order date till date of this report.

Chemical-physical analysis (45220)

Antibiotic, Streptomycins, HPLC mod. ac. Kocher (Lebensm.chemie 50: 112-115, 1996), honey

Substance in [mg/kg]	permitted level**	loq*	result
Streptomycins	0,02	0,01	: n.n.

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

** for honey acc. the German Pesticide-Directive; but not allowed as no MRL acc. EU-Regulation 2377/90, Annex I

Under consideration of above indicated limit of quantitation this sample is within the range of this analysis according to the EEC Regulation for veterinary medicinal products in foodstuff of animal origin (2377/90 and following ones) .

Quality Services International GmbH

Testmanager: gb

Order No.: 26478

SN: 35608

Customer No.: 10763

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Printed: 05-Apr-2006

205 / 1

Date: 05-Apr-2006

Order: 26477/10763

Order Date: 04-Apr-2006

Product: Honig/Honey

Kind:

Label: B/RNrx/09-11-05a / VMnm/MT 25

Sample-No.: 10961

Sample Date: 04-Apr-2006

Packaging: Glas 750 ml

Seal: ohne/without

The test results are exclusively related to the items tested for this sample. This report is allowed to be copied completely and unchanged but not in extracts. Test period: order date till date of this report.

Chemical-physical analysis (45230)

Antibiotics, Sulfonamides, HPLC

Substance in [mg/kg]	permitted level**	loq*	result
Sulphaguanidine		0,01	: n.n.
Sulphanilamide		0,01	: n.n.
Sulphacetamide		0,01	: n.n.
Sulphadiazine		0,01	: n.n.
Sulphathiazole		0,01	: n.n.
Sulphapyridine		0,01	: n.n.
Sulphamerazine		0,01	: n.n.
Sulphamether (5-Methoxysulphadiazine)		0,01	: n.n.
Sulphadimidine (=Sulphamethazine)		0,01	: n.n.
Sulphamethoxypyridazine		0,02	: n.n.
Sulfamethoxazole		0,02	: n.n.

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

**no legal limit (MRL) acc. EC-Reg. 2377/90, Annex I means: no permit for using antibiotics in beekeeping

Under consideration of above indicated limit of quantitation this sample is within the range of this analysis according to the EEC Regulation for veterinary medicinal products in foodstuff of animal origin (2377/90 and following ones).

Quality Services International GmbH

Testmanager: gb

Order No.: 26477

SN: 35607

Customer No.: 10763

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Printed: 05-Apr-2006
205 / 1

Date: 05-Apr-2006

Order: 26476/10763

Order Date: 04-Apr-2006

Product: Honig/Honey

Kind:

Label: B/RNmx/09-11-05a / VMnm/MT 25

Sample-No.: 10961

Sample Date: 04-Apr-2006

Packaging: Glas 750 ml

Seal: ohne/without

The test results are exclusively related to the items tested for this sample. This report is allowed to be copied completely and unchanged but not in extracts. Test period: order date till date of this report.

Chemical-physical analysis (45200)

Antibiotics, Tetracyclines, HPLC, Honey

Substance in [mg/kg]	permitted level (MRL)**	loq*	Result
Oxytetracycline (Terramycine R)		0,01	: n.n.
Tetracycline		0,01	: n.n.
Chlorotetracycline		0,01	: n.n.
Doxycycline		0,01	: n.n.

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

**no legal limit (MRL) acc. EC-Reg. 2377/90, Annex I means: no permit for use of antibiotics in beekeeping

Under consideration of above indicated limit of quantitation this sample is within the range of this analysis according to the EEC Regulation for veterinary medicinal products in foodstuff of animal origin (2377/90 and following ones).

Quality Services International GmbH

Testmanager: gb

Order No.: 26476

SN: 35606

Customer No.: 10763

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Printed: 05-Apr-2006
205 / 1
Date: 05-Apr-2006

Order: 26479/10763
Order Date: 04-Apr-2006
Product: Honig/Honey
Kind:
Label: B/RNnx/09-11-05a / VMnm/MT 25

Sample-No.: 10961
Sample Date: 04-Apr-2006
Packaging: Glas 750 ml
Seal: ohne/without

The test results are exclusively related to the items tested for this sample. This report is allowed to be copied completely and unchanged but not in extracts. Test period: order date till date of this report.

Chemical-physical analysis (86209)

Chloramphenicol (CAP), ELISA, Honey

Substance in [$\mu\text{g}/\text{kg}=\text{ppb}$]	permitted level**	loq*	Result
---	-------------------	------	--------

Chloramphenicol	**	0,3	: n.n.
-----------------	----	-----	--------

* loq = limit of quantitation, n.n./n.n. = below loq

MRPL (2003/181/EC) = 0,3 $\mu\text{g}/\text{kg}$

** no legal limit acc. to EC Regulation 2377/90 Appendix IV because generally forbidden in all food of animal origin

Under consideration of above indicated limit of quantitation this sample is within the range of this analysis according to the EEC Regulation for veterinary medicinal products in foodstuff of animal origin (2377/90 and following ones) .

Quality Services International GmbH

Testmanager: gb

Order No.: 26479

SN: 35609

Customer No.: 10763

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Printed: 07-Apr-2006

205 / 1

Date: 07-Apr-2006

Order: 26483/10763

Order Date: 04-Apr-2006

Product: Honig/Honey

Kind:

Label: B/RNmx/09-11-05a / VMnm/MT 25

Sample-No.: 10961

Sample Date: 04-Apr-2006

Packaging: Glas 750 ml

Seal: ohne/without

The test results are exclusively related to the items tested for this sample. This report is allowed to be copied completely and unchanged but not in extracts. Test period: order date till date of this report.

Chemical-physical analysis (85201)

Chloro-Pesticides, § 35 L 00.00-34 (DFG S 19 mod.)

Substance in [mg/kg=ppm]

	log*	Result
Aldrin	0,002	: n.n.
Dieldrin	0,005	: n.n.
alpha-Chlordan	0,005	: n.n.
gamma-Chlordan	0,005	: n.n.
o,p'-DDD	0,010	: n.n.
p,p'-DDD	0,010	: n.n.
o,p'-DDE	0,005	: n.n.
p,p'-DDE	0,005	: n.n.
o,p'-DDT	0,010	: n.n.
p,p'-DDT	0,010	: n.n.
alpha-Endosulfan	0,005	: n.n.
β-Endosulfan	0,010	: n.n.
Endrin	0,005	: n.n.
Heptachlor	0,002	: n.n.
Heptachlorepoxyd	0,005	: n.n.
HCB (Hexachlorbenzene)	0,002	: n.n.
alpha-HCH	0,002	: n.n.
β-HCH	0,005	: n.n.
delta-HCH	0,002	: n.n.
gamma-HCH (Lindan)	0,002	: n.n.
Methoxychlor	0,02	: n.n.
Quintozen	0,010	: n.n.

* log = limit of quantitation, n.n./n.n. = below log

< = lower than, n.b. = not determined

Order No.: 26483

SN: 35613

Customer No.: 10763

Page 1 of 2 pages

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Printed: 05-Apr-2006

205 / 1

Date: 05-Apr-2006

Order: 26482/10763

Order Date: 04-Apr-2006

Product: Honig/Honey

Kind:

Label: B/RNmx/09-11-05a / VMnm/MT 25

Sample-No.: 10961

Sample Date: 04-Apr-2006

Packaging: Glas 750 ml

Seal: ohne/without

The test results are exclusively related to the items tested for this sample. This report is allowed to be copied completely and unchanged but not in extracts. Test period: order date till date of this report.

Chemical-physical analysis (86301)

Phenol, HRGC, honey

Substance	in [mg/kg=ppm]	permitted level**	loq*	Result
Phenol			0,05	: n.n.

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

** for honey no official regulation (Germany) resp. no legal limit acc. EC-Reg. 2377/90, Annex II

Regarding the above determined parameters there are in our opinion no doubts about the commercial suitability of this product.

Quality Services International GmbH

Testmanager: gb

Order No.: 26482

SN: 35612

Customer No.: 10763

Page 1 of 1 pages

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