



**Niedersächsisches Landesamt
für Verbraucherschutz
und Lebensmittelsicherheit**

■ Institut für Bienenkunde Celle

LAVES •

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Tel.: 05141-90503-58

reference number: 58.21-44123-KvdO

Test report for honey – No. CE 1510.0124

This report is related exclusively to the investigated criteria of the present sample. It is not allowed to copy the report in parts. The test period is date of arriving of sample till date of this report.

Arrival of sample:	18.01.10	Declared geogr. origin:	Denmark
Packing:	original, 450 g	Declared bot. origin:	--
Label/Identification:	3, DBF 44158, Vennepunktets biavl, 8300 Odder	Color:	light beige
<i>For Sommerhoney</i> <i>5.6.09</i>		Consistency:	complete fine crystallisation
		Aroma:	typical for honey, floral - subtle, medium intense
Order:	4.3.1 complete analysis	Pureness:	no objection

Analysis (Method)	Unit	Result
water (DIN10752)	%	15,6
el. conductivity (DIN10753)	mS/cm	0,28
invertase (DIN10759-1)	U/kg	163,1
diastase (DIN10750)	DN	n.u.
HMF (DIN10751-1)	mg/kg	n.u.
sugar spectrum (DIN10758)		n.u.
fructose/glucose (DIN10758)	relation	n.u.
saccharose (DIN10758)	g/100g	n.u.

Pollen Analysis (DIN10760 – Determination of the relative frequency of pollen)

Distribution of pollen of nectar producing plants (counted pollen grains..500 ..):

Brassica / Raps / rape 63%, Pyrus-T. / Kernobst-T. / pomaceous fruits, Prunus-T. / Steinobst-T. / stone fruits 20%,
Salix / Weide / willow 11%, Rhus typhina-T. / Essigbaum / horn sumach 1%, further see enclosure P

Pollen of non nectar producing plants: see enclosure P

Foreign pollen grains (not corresponding with declared origin): none

Honeydew elements: few fungi spores

Other components of sediment: small amount of crystalline mass

n.u. = not analyzed

Judgement:

Agreement with European Directive 2001/110

yes ☒ no ☐

The present honey comes from different nectar sources. Because no part predominates a botanical declaration is not allowed (pollen of rape are overrepresented). The determined pollen spectrum gives no indication for a non-Danish origin.

The chemical-physical values are satisfactory.

The honey distinguishes by a high enzyme activity (Invertase).

08.02.2010

i.A. Martina Janke
(Prüfleitung)

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Anlage P zu Prüfbericht / enclosure P to report:

CE 1510.0124

Liste der identifizierten Pollen / list of identified pollen grains:

T = Typ/type, * = nektarlos/neectarless (Systematik n. ZANDER, 2002)

Aceraceae	Acer / Ahorn / maple	Ahorn
Alliaceae	Allium / Lauch / onion	Lauch
Anacardiaceae	Rhus typhina-T. / Essigbaum / horn sumach	Hornsumach
Boraginaceae	Cynoglossum-T. / Hundszunge-T. / hound's tong-1.	Hundszunge
Boraginaceae	Myosotis / Vergissmeinnicht / forget me not	Vergissmeinnicht
Brassicaceae	Brassica / Raps / rape	Raps
Brassicaceae	Sinapis-T. / Senf-T. / mustard-t.	Senf
Buxaceae	Buxus / Buchsbaum / box	Buchsbaum
Caprifoliaceae	Lonicera / Heckenkirsche / honeysuckle	Heckenkirsche
Fagaceae*	Nothofagus* / Scheinbuche / southern beech	Scheinbuche
Grossulariaceae	Ribes / Johannisbeere / gooseberry	Johannisbeere
Hyacinthaceae	Scilla / Blaustern / squill	Blaustern
Poaceae*	Süßgräser / Grass Family	Süßgräser
Ranunculaceae	Anemone-T.(*) / Windröschen-T. / windflower-t.	Anemone
Ranunculaceae	Ranunculus-T.(*) / Hahnenfuß-T. / buttercup-t.	Hahnenfuß
Rosaceae	Prunus-T. / Steinobst-T. / stone fruits	Steinobst
Rosaceae	Pyrus-T. / Kernobst-T. / pomaceous fruits	Kernobst
Salicaceae	Salix / Weide / willow	Weide

Ahorn
 Lauch
 Hornsumach
 Hundszunge
 Vergissmeinnicht
 Raps
 Senf
 Buchsbaum
 Heckenkirsche
 Scheinbuche
 Johannisbeere
 Blaustern
 Süßgräser
 Anemone
 Hahnenfuß
 Steinobst
 Kernobst
 Weide



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Test report for honey – No. CE 1510.0123

This report is related exclusively to the investigated criteria of the present sample. It is not allowed to copy the report in parts. The test period is date of arriving of sample till date of this report.

Arrival of sample:	18.01.10	Declared geogr. origin:	Denmark
Packing:	original, 450 g	Declared bot. origin:	Sommerhonning
Label/Identification:	2, DBF 44158, Vennepunktets biavl, 8300 Odder	Color:	light beige, yellowish
<i>Sommerhonning Hösten 1.809</i>		Consistency:	complete fine crystallisation
		Aroma:	typical for honey, aromatic - slightly tart, slightly fruity, medium intense
Order:	4.3.1 complete analysis	Pureness:	no objection

Analysis (Method)	Unit	Result
water (DIN10752)	%	17,3
el. conductivity (DIN10753)	mS/cm	0,71
invertase (DIN10759-1)	U/kg	127,3
diastase (DIN10750)	DN	n.u.
HMF (DIN10751-1)	mg/kg	n.u.
sugar spectrum (DIN10758)		n.u.
fructose/glucose (DIN10758)	relation	n.u.
saccharose (DIN10758)	g/100g	n.u.

Pollen Analysis (DIN10760 – Determination of the relative frequency of pollen)

Distribution of pollen of nectar producing plants (counted pollen grains..500 ..):

Castanea sativa / Edelkastanie / sweet chestnut 49%, Pyrus-T. / Kernobst-T. / pomaceous fruits, Prunus-T. / Steinobst-T. / stone fruits 11%, Trifolium repens / Weißklee / white clover, Melilotus / Steinklee / melilot 8%, Tilia / Linde / lime 8%, Ligustrum / Rainweide / privet 4%, further see enclosure P

Pollen of non nectar producing plants: see enclosure P

Foreign pollen grains (not corresponding with declared origin): none

Honeydew elements: few fungi spores

Other components of sediment: small amount of crystalline mass

n.u. = not analyzed

Judgement:

Agreement with European Directive 2001/110

yes ☒ no ☐

The present honey comes from different nectar sources. Because no part predominates a botanical declaration is not allowed. The taste is already influenced by lime (pollen underrepresented. The determined pollen spectrum gives no indication for a non-Danish origin.
The chemical-physical values are satisfactory.

08.02.2010

Martina Janke
i.A. Martina Janke
(Prüfleitung)

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Anlage P zu Prüfbericht / enclosure P to report:

CE 1510.0123

Liste der identifizierten Pollen / list of identified pollen grains:

T = Typ/type, * = nektarlos/nectarless (Systematik n. ZANDER, 2002)

Aceraceae	Acer / Ahorn / maple	Ahorn
Anacardiaceae	Rhus typhina / Essigbaum / horn sumach	Hjorteholtræ
Asparagaceae	Asparagus / Spargel / asparagus	Røllike Asparagus
Asteraceae	Achillea-T. / Schafgarben-T. / yarrow-t.	Tidsel
Asteraceae	Carduus-T. / Distel-T. / thistle-t.	Mælkebøtte
Asteraceae	Taraxacum-T. / Löwenzahn-T. / dandelion-t.	Stingehoved
Boraginaceae	Echium / Natterkopf / bugloss	Forglem mig
Boraginaceae	Myosotis / Vergissmeinnicht / forget me not	Raps
Brassicaceae	Brassica / Raps / rape	Sennep
Brassicaceae	Sinapis-T. / Senf-T. / mustard-t.	Sennepfamilien
Brassicaceae	Kreuzblütler / Mustard Family	Solsikke
Caprifoliaceae	Symphoricarpos / Schneebeere / snowberry	Penkhus
Cistaceae*	Helianthemum* / Sonnenröschen / sunrose	Stenkløver
Clusiaceae	Hypericum* / Johanniskraut / St. John's wort	Andkløver
Fabaceae	Melilotus / Steinklee / melilot	Fodervikke
Fabaceae	Trifolium repens / Weißklee / white clover	egte kastanje
Fabaceae	Vicia villosa-T. / Zottel-Wicken-T. / fodder vetch-t.	Hortensid
Fagaceae	Castanea sativa / Edelkastanie / sweet chestnut	Lavendel
Hydrangeaceae	Hydrangea-T. / Hortensien-T.	Liliefamilien
Lamiaceae	Lavandula / Lavendel / lavender	Liguster
Liliaceae	Liliengewächse / Lily Family	Ducort
Oleaceae	Ligustrum / Rainweide / privet	Vejbred
Onagraceae	Epilobium / Weidenröschen / willowherb	Skræppe og Syre
Plantaginaceae*	Plantago* / Wegerich / plantain	Anemone
Polygonaceae	Rumex* / Ampfer / sorrel	Kirse, bælg, mirabel, slæm
Ranunculaceae	Anemone-T.(*) / Windröschen-T. / windflower-t.	Ilatern
Rosaceae	Prunus-T. / Steinobst-T. / stone fruits	Åble, pære, lindtjørn, røn
Rosaceae	Pyracantha / Feuerdorn / firethorn	Rose
Rosaceae	Pyrus-T. / Kernobst-T. / pomaceous fruits	Mangeblumstet rose
Rosaceae	Rosa* / Rosen / rose	Pil
Rosaceae	Rosa multiflora-T. / Vielblütige Rose-T. / multiflora rose-t.	Lind
Salicaceae	Salix / Weide / willow	
Tiliaceae	Tilia / Linde / lime	