



**Niedersächsisches Landesamt
für Verbraucherschutz
und Lebensmittelsicherheit**

■ Institut für Bienenkunde Celle

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22.03.2007

Finding of Investigation for Honey – Sample No. CE 1507.0178

arrival of sample: 13.01.07
packing: original, 450 g
identification mark: 17, DBF 37426, Claus Olsen

declared geogr. origin: Denmark
declared bot. origin: –
color: beige
consistency: complete crystallisation
aroma: floral
pureness: no objection

commission: 4.4.1 complete analysis

Analysis (method)	unit	result
water (DIN10752)	%	16,5
el. conductivity (DIN10753)	mS/cm	0,43
invertase (DIN10759-1)	U/kg	157,8
diastase (DIN10750)	DZ	
glucoseoxidase (Schepartz)	µg H ₂ O ₂ /g/Min	
HMF (DIN10751-1)	mg/kg	
proline (DIN10754)	mg/kg	
thixotropy (Louveaux)		
sediment	g/100 g	

Analysis (method)	unit	result
sugar spectrum (DIN10758)		
fructose/glucose (DIN10758)		
saccharose (DIN10758)	mg/kg	
formic acid (enzym.)	mg/kg	
oxalic acid (enzym.)	mg/kg	
lactic acid (enzym.)	mg/kg	
free acids (DIN10756)	mmol/kg	
ethanol (enzym.)	mg/kg	
glycerine (enzym.)	mg/kg	

Pollen Analysis (DIN10760 – determination of the relative frequency of pollen)
distribution of pollen of nectar producing plants (counted pollen 300.):
Trifolium repens / Weißklee / white clover 30 %, Brassica / Raps / rape 30 %, Pyrus-T / Kernobst-T. / pomaceous fruits, Prunus-T / Steinobst-T. / stone fruits, Rubus / Himbeere, Brombeere / raspberry 23 %, further see enclosure
distribution of pollen of non nectar producing plants: see enclosure
foreign pollen grains (not corresponding with declared origin): none
honeydew elements: some fungi spores
other components of sediment: some crystalline background; particles of soot

Result

the honey corresponds **in investigated criteria** to the
- European Guideline (2001/110) yes no

The present honey comes from different nectar sources and some honey dew. The determined pollen spectrum gives no indication for a non-Danish origin. Conspicuous is a relatively low pollen content, but due to all other determined criteria there is no reason for objection.
The chemical-physical values are satisfactory. The honey shows a high enzyme activity (Invertase).

19.03.2007
i.o. *Katharina von der Ohe*
Katharina von der Ohe

Anlage zu Befund / enclosure to finding: CE-1507.0178
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Liste der identifizierten Pollen / list of identified pollen grains:

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

Aceraceae	Acer / Ahorn / maple
Anacardiaceae	Rhus typhina / Essigbaum / horn sumach
Apiaceae	Pastinaca / Pastinak / parsnip
Asparagaceae	Asparagus / Spargel / asparagus
Asteraceae	Achillea-T / Schafgarben-T / yarrow-t
Asteraceae	Carduus-T / Distel-T / thistle-t
Asteraceae	Eupatorium / Wasserdost / hemp agrimony
Asteraceae	Taraxacum-T / Löwenzahn-T / dandelion-t
Balsaminaceae	Impatiens / Springkraut / balsam
Boraginaceae	Cynoplossum / Hundszunge / hound's tong
Boraginaceae	Echium / Natterkopf / bugloss
Boraginaceae	Myosotis / Vergissmeinnicht / forget me not
Brassicaceae	Brassica / Raps / rape
Brassicaceae	Sinapis-T / Senf-T / mustard-t
Brassicaceae	Kreuzblütler / Mustard Family
Caprifoliaceae	Lonicera / Heckenkirsche / honeysuckle
Caprifoliaceae	Sambucus* / Holunder / elder
Caprifoliaceae	Symphoricarpos / Schneebeere / snowberry
Chenopodiaceae*	Beta-T / Rüben-T / beet-t
Clusiaceae	Hypericum* / Johanniskraut / St John's wort
Cornaceae	Cornus sanguinea / Hartriegel / dogwood
Fabaceae	Melilotus / Steinklee / melilot
Fabaceae	Trifolium repens / Weißklee / white clover
Fabaceae	Vicia villosa-T / Zottel-Wicken-T / fodder vetch-t
Hydrophyllaceae	Phacelia / Büschelschön / fiddle neck
Oleaceae	Ligustrum / Rainweide / privet
Onagraceae	Epilobium / Weidenröschen / willowherb
Pinaceae*	Pinus* / Kiefer / pine
Rhamnaceae	Frangula / Faulbaum / buckthorn
Rosaceae	Fragaria / Erdbeere / strawberry
Rosaceae	Potentilla* / Fingerkraut / cinquefoil
Rosaceae	Prunus-T / Steinobst-T / stone fruits
Rosaceae	Pyrus-T / Kernobst-T / pomaceous fruits
Rosaceae	Rosa* / Rosen / rose
Rosaceae	Rubus / Himbeere, Brombeere / raspberry
Rutaceae	Euodia / Bienenbaum
Salicaceae	Salix / Weide / willow
Simaroubaceae	Ailanthus / Götterbaum / tree of heaven
Tiliaceae	Tilia / Linde / lime
Vitaceae	Parthenocissus / Wilder Wein / woodbine