Niedersächsisches Landesamt
für Verbraucherschutz
und Lebensmittelsicherheit

■ Institut für Bienenkunde Celle

[redacted]

Test report for honey - No. CE 2421.1626

The results relate exclusively to the [redacted] examined as received. Detailed information on the methods used and analytical characteristics as well as the scope of the tests can be made available by the laboratory if required. The report may not be reproduced in part.

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Arrival of sample:	11.0[redacted]	**Declared geogr. origin[1]:**	Netherlands
Packing:	Neutralglas 250 g	**Declared bot. origin:**	-
Label/Identification[1]:	-	**Color:**	amber, reddish
specified MHD[1]:	-	**Consistency:**	liquid, clear
		Aroma: (09/2021-M... 2021-12)	fruity, malty, aromatic - slightly tart, medium intensity
Order[1]:	4.2.1 Herkunft 1	**Purenes[redacted]:**	no objection
Test period:	12.10.23 - 23.11.23		

Analysis (Method)	Unit	Result
water (DIN 10752-1, DIN 10752-2, 2018-09)	%	0,1
el. conductivity (DIN10753 2021-06)	mS/cm	0,88
invertase (DIN10759-1 2016-12)	U/kg	n.u.
diastase (MAA-M-Diastase Vers.3 2018-01)	DN (Schade)	n.u.
HMF (DIN10751-3 2018-09)	mg/kg	n.u.
sugar spectrum(DIN 10758 1997-05: amendment 1 2018-09)		n.u.
fructose/glucose (DIN 10758 1997-05: amendment 1 2018-09)	relation	n.u.
saccharose (DIN 10758 1997-05: amendment 1 2018-09)	g/100g	n.u.

Pollen Analysis (DIN10760 2002-05 – Determination of the relative frequency of pollen)

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

Castanea sativa (sweet chestnut) 39%, Origanum-T. (marjoram-t.) 24%, Frangula (alder buckthorn) 7%, Trifolium, Melilotus (white clover, melilot) 6%, Erica-T. (heath-t.) 6%, Fagopyrum esculentum (buckwheat) 2%, further see enclosure P

Pollen of non-nectar producing plants: see enclosure P
Foreign pollen grains (not corresponding with declared origin): none
Honeydew elements: medium amount of fungi spores and algae, few wax wool, single wax tubes
Other components of sediment: high amount of crystalline mass with oxalates, few yeasts, single starch grains

[1] according to sender information n.n. = not detectable n.u. = not analyzed

Judgement:

Agreement with European Directive 2001/110/EC	yes ☒* no ☐

The present honey comes from different nectar sources and honeydew. Important are sweet chestnut and buckwheat, but the honeydew predominates. So the recommended designation is honeydew honey. The determined Pollen spectrum gives no indications for a non-Dutch origin.

[redacted]

23.11.[redacted]

DAkkS Deutsche Akkreditierungsstelle D-PL-14378-10-00

[redacted]

Internet: www.laves.niedersachsen.de

[redacted]

LAVES - Institut für Bienenkunde Celle KvK 22.11.2023

Anlage P zu Prüfbericht / enclosure P to report: [redacted]

Liste der identifizierten Pollen / list of identified pollen grains:
T = Typ/type, * = nektarlos/nectarless (Systematik n. ZANDER, 2008)

Aceraceae	Acer / Ahorn / maple
Alismataceae	Alisma / Froschlöffel / water plantain
Arecaceae	Chamaerops* / Zwergpalme / mediterranean fan fern
Asparagaceae	Asparagus / Spargel / asparagus
Asteraceae	Achillea-T. / Schafgarben-T. / yarrow-t.
Asteraceae	Carduus-T. / Distel-T. / thistle-t.
Asteraceae	Eupatorium-T. / Wasserdost-T. / hemp agrimony-t.
Asteraceae	Solidago-T. / Goldrute-T. / goldenrod-t.
Asteraceae	Taraxacum-T. / Löwenzahn-T. / dandelion-t.
Cannabaceae	Humulus*-T. / Hopfen-T. / hop-t.
Chenopodiaceae*	Chenopodium*-T. / Gänsefuß-T. / goosefoot-t.
Clusiaceae	Hypericum* / Johanniskraut / St. John's wort
Convolvulaceae	Calystegia / Zaunwinde / bindweed
Cucurbitaceae	Cucurbita / Kürbis / pumpkin
Ericaceae	Erica-T. / Erika-T. / heath-t.
Fabaceae	Lotus / Hornklee / bird's foot trefoil
Fabaceae	Melilotus / Steinklee / melilot
Fabaceae	Trifolium repens / Weiß-Klee / white clover
Fabaceae	Trifolium hybridum-T. / Schweden-Klee-T. / hybrid clover-t.
Fabaceae	Vicia faba / Acker-Bohne / broad bean
Fagaceae	Castanea sativa / Edel-Kastanie / sweet chestnut
Hippocastanaceae	Aesculus / Rosskastanie / horse chestnut
Hydrangeaceae	Hydrangea-T. / Hortensien-T. / hydrangea-t.
Lamiaceae	Origanum-T. / Majoran-T. / marjoram-t.
Magnoliaceae	Liriodendron / Tulpenbaum / tulip tree
Poaceae*	Süßgräser / Grass Family
Polygonaceae	Fagopyrum esculentum / Buchweizen / buckwheat
Polygonaceae	Rumex* / Ampfer / sorrel
Ranunculaceae	Ranunculus-T.* / Hahnenfuß-T. / buttercup-t.
Rhamnaceae	Frangula / Faulbaum / alder buckthorn
Rosaceae	Rosa multiflora-T. / Vielblütige Rose-T. / multiflora-t.
Rosaceae	Rosa* / Rosen / rose
Rosaceae	Rubus-T. / Himbeere-T., Brombeere-T. / raspberry-t., bramble-t.
Rosaceae	Rosengewächse / Rose Family
Salicaceae	Salix / Weide / willow
Solanaceae	Solanum-T.* / Nachtschatten-T. / nightshade-t.
Tiliaceae	Tilia / Linde / lime
Vitaceae	Parthenocissus / Wilder Wein / woodbine

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