



Certificate of Analysis

Celery Seed CO2

Batch #GE 861424

production: February 2017 retest: February 2022
raw material: *Apium graveolens* - Seeds, dried
country of origin of raw material: India
country of origin of product: Germany
D/E - ratio: 9,0 - 11,0 kg raw material yield 1 kg product.

Sensory Check

feature	reference	result
Appearance:	Yellow-green clear oil	meets
Odour:	typical celery smell	meets

Analytical Check

feature	method	limits	value unit
Content of essential oil	21.006.01, Distillation, gravimetric	20 - 30	29,0 % (g/100g)
Relative composition of the volatile compounds in extract:	GCMS, 100 % Method		
beta Pinene	GCMS, celery.met	n.s.	0,17 %
beta Myrcene	GCMS, celery.met	n.s.	0,32 %
Limonene	GCMS, celery.met	n.s.	25,4 %
beta Caryophyllene	GCMS, celery.met	n.s.	0,41 %
Butyl Phthalide	GCMS, celery.met	n.s.	6,6 %
Sedanolid	GCMS, celery.met	n.s.	51,6 %
Refractive index (20°C)	21.080.03, Abbe-Refractometer	1,480 - 1,490	1,4844
Density (20°C)	21.024.03, Pycnometer	0,940 - 0,950	0,9458 g/cm ³

n.s. = not specified n.d. = not detected

Storage conditions: Store in a cool, dry place!

The product meets specifications no. 16.206.03/66.208.02; date of analysis: 2017.02.06

The data in this report of analysis have been determined carefully and to the best of our knowledge. Depending on transport and storage conditions the indicated data can be subject to certain changes which are outside of our influence. Hence the report has not the meaning of a guaranty in the legal sense and does not dispense the customer from making his own quality control before using the product.