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Certificate of Analysis
Sage Officinalis CO2 Select Extract
Salvia officinalis

Batch #GE-851309

Type no. 063.001
Lab no. 19360
Production: September 2015 retest: September 2020
Raw material: *Salvia officinalis* - Leaves, dried
Country of origin of product: Germany
D/E - ratio: 40 - 50 kg raw material yield 1 kg product.

Sensory Check

feature	reference	result
Appearance:	Light brown, clear liquid.	meets

Analytical Check

feature	method	limits	value unit
Content of essential oil	21.006.01, Distillation, gravimetric	70 - 85	83,9 % (g/ 100g)
Composition of the volatile compounds:	GCMS, 100 % Method		
alpha Pinene	GC, sage.met	2 - 6	5,0 %
Camphene	GC, sage.met	n.s.	5,6 %
beta Pinene	GC, sage.met	n.s.	0,75 %
Myrcene	GC, sage.met	n.s.	0,31 %
Limonene	GC, sage.met	1 - 5	1,5 %
1,8 Cineol	GC, sage.met	5 - 15	9,6 %
alpha Thujone + beta Thujone	GC, sage.met	25 - 33	25,2 %
Camphor	GC, sage.met	15 - 30	25,5 %
beta Caryophyllene	GC, sage.met	n.s.	1,3 %
alpha Humulene	GC, sage.met	n.s.	6,0 %
Refractive index (20°C)	Abbe-Refractometer	1,472 - 1,480	1,4765
Density (20°C)	21.024.02, Pycnometer	0,930 - 0,950	0,9387 g/cm ³

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

Storage conditions: Store in a cool, dry place!

The product meets specifications no. 16.123.05/66.028.08; date of analysis: 2015.09.17 Date: 2015.09.17 13:52:09 +02'00'

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.