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Certificate of Analysis: Chamomile Flower CO₂ Select, *Chamomilla recutita*, grown and CO₂ extracted in Germany.

Batch No: GE-261019

Lab No: 20592

Type No: 019.005

Raw material: *Chamomilla recutita* — dried flowers from Germany

Country of origin of product: Germany

D/E - ratio: 50–66 kg raw material yields 1 kg product

Production: April 2016

Retest: April 2021

Storage: Store in a cool, dry place and exclusion of light.

Sensory Check

Feature	Reference	Result
Appearance	green-brown color, liquid product	meets
Odor	characteristic	meets

Analytical Check

Feature	Method	Limits	Value/Unit
Content of essential oil	21.006.01, Steam distillation	20 - 40	25,4 % (g/ 100g)
Relative composition of the essential oil:	GC, 100 % method		
beta Farnesene	21.093.03, GC	n.s.	21,7 %
alpha Farnesene	21.093.03, GC	n.s.	0,16 %
Spathulenol	21.093.03, GC	n.s.	1,1 %
Bisabolol oxides A + B	21.093.03, GC	5 - 20	8,6 (5,2 + 3,4) %
Bisabolone oxide	21.093.03, GC	n.s.	0,42 %
alpha Bisabolol	21.093.03, GC	30 - 45	43,5 %
Chamazulene	21.093.03, GC	n.s.	5,3 %
cis-En-Yn Dicycloether	21.093.03, GC	n.s.	4,8 %
trans-En-Yn Dicycloether	21.093.03, GC	n.s.	0,34 %
Content of Matricine / Chamazulene (analysed as Chamazulene)	21.023.01, Spectrometry	1,0 - 3,0	1,3 %
Content of Antheotolid	21.153.01, HPLC	< 0,05	meets %
Pesticides		EC No. 396/2005	meets

Furthermore the extract contains a small amount of Apigenine and Apigenine-7-glycoside (< 0,1 %).

n.s. = not specified

n.d. = not detected

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.

The product meets specifications no. 16.250.05/66.173.05; date of analysis: 2016.04.19

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