



Healing Body, Mind, and Spirit
with Pure Essential Oils Since 1995

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Certificate of Analysis

Arnica CO₂
Arnica montana

Batch # GE-571103

Lab No: 22668
Type No : 043.007
Raw Material: *Arnica montana* – Flowers, dried, from organic farming
Country of Origin, raw material: Bosnia and Herzegovina
Country of origin of product: Germany
D/E - ratio: 8,7 - 10,0 kg raw material yield 1 kg product
Production: Apr 2017
Retest: Apr 2020
Product contains: about 70 % Sunflower oil (organic)
Storage: Store in a cool, dry place and exclusion of light

Sensory Check

Feature	Reference	Result
Appearance:	Dark brown, at room temperature viscous liquid	meets
Odour:	characteristic	meets

Analytical Check

Feature	Method	Limits	Value	Unit
Content of essential oil	21.006.01, Distillation, gravimetric	0,4 - 0,9	0,53	% (g/100g)
Triterpenediol Esters (calc. as Faradiol)	21.041.05, HPLC	3 - 7	3,1	%
Helenalin	21.149.01, HPLC	< 0,02	0,0056	%
11 alpha,13-Dihydrohelenalin	21.149.01, HPLC	n.s.	0,04	%
Sum of Helenalin Esters	21.149.01, HPLC	n.s.	3,8	%
Sum of Dihydrohelenalin Esters	21.149.01, HPLC	n.s.	0,53	%
Sum of Sesquiterpene lactones	21.149.01, HPLC	3,5 - 4,5	4,4	%
Sum of Sesquiterpene lactones (expressed as Dihydrohelenalin tiglate)	Ph. Eur.	n.s.	5,5	%



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Peroxide Value	21.015.03, DGF, Wheeler	< 10	1,9	meq O2/kg
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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 guarantee 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. 16.451.02/66.398.04; date of analysis: 2017.04.19.