

Nature's Gift[®]

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

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Certificate of Analysis

Arnica CO2

Batch #GE-59088

production: April 2020 retest: April 2023
raw material: *Arnica montana* - Flowers, dried, from organic farming
country of origin of raw material: Romania
country of origin of product: Germany
D/E - ratio: 5,0 - 8,0 kg raw material yield 1 kg product.

Product contains: about 70 % Sunflower oil (organic)

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	0,3 - 1,5	1,3	% (g/ 100g)
Triterpenediol Esters (calc. as Faradiol)	21.041.05, HPLC	> 1,0	3,3	%
Helenalin	21.149.02, HPLC	< 0,02	0,01	%
11 alpha,13-Dihydrohelenalin	21.149.02, HPLC	n.s.	0,09	%
Sum of Helenalin Esters	21.149.02, HPLC	n.s.	2,9	%
Sum of Dihydrohelenalin Esters	21.149.02, HPLC	n.s.	0,73	%
Sum of Sesquiterpene lactones	21.149.02, HPLC	3,5 - 4,5	3,7	%
Sum of Sesquiterpene lactones (expressed as Dihydrohelenalin tiglate)	Ph. Eur.	n.s.	4,2	%
Peroxide Value	21.015.03, DGF, Wheeler	< 10	3,7	meq O2/kg
		n.s. = not specified		n.d. = not detected

The product meets specifications no. 043.007_04_AS and 66.398.06; date of analysis:
2020.04.24

This computerized CoA has digital signature validated by Nature's Gift.

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.