



Certificate of Analysis

Marigold Flower CO2 (organic)

Batch # GE 171001

production: January 2017 retest: January 2022
raw material: *Calendula officinalis* - Flowers, dried, from organic farming
country of origin of raw material: Germany, Hungary
country of origin of product: Germany
D/E - ratio: 13 - 17 kg raw material yield 1 kg product.

Sensory Check

feature	reference	result
Appearance:	Dark red to brown colour, waxy solid at room temperature; liquid at 40 °C	meets
Odour:	characteristic hay-like smell	meets

Analytical Check

feature	method	limits	value unit
Content of essential oil	21.006.01, Distillation, gravimetric	n.s.	1,4 % (g/ 100g)
Sum of Carotenoids (calc. as β -Carotene)	21.008.05, Spectrometer	0,7 - 1,4	0,86 %
Content of Faradiol ester	21.041.04, HPLC	17 - 25	21,4 %
Pesticides	external analysis	EC 396/2005	meets
Sum of benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene and chrysene		n.s.	5,9 μ g/kg
PCB's (Sum of PCB 28,52,101,138,153,180)	external analysis	n.s.	4,12 ng/g
Sum of Sterols (calc. as Sitosterol)	21.207.01, GCMS	n.s.	1,5 %
Sum of Taraxasterol and Amyrin (calc. as Sitosterol)	21.207.01, GCMS	n.s.	6,8 %

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

Storage conditions: Store in a cool, dry place!



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The product meets specifications no. 16.149.05/66.137.05; date of analysis: 2017.02.16

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.