

Certificate of Analysis

Calendula CO₂-total

Batch #DE-59338

production: November 2022	retest: November 2027
raw material:	<i>Calendula officinalis</i> - Flowers, dried, from organic farming
country of origin of raw material:	Germany, Egypt
country of origin of product:	Germany
D/E - ratio:	13 - 20 kg raw material yield 1 kg product.
Product contains:	no carriers and excipients

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.	1,6	% (g/ 100g)
Sum of Carotenoids (calc. as β -Carotene)	21.008.05, Spectrometer	0,7 - 1,4	0,83	%
Content of Faradiol ester	21.041.05, HPLC	17 - 25	22,2	%
Sum of Sterols (calc. as Sitosterol)	21.207.01, GCMS	n.s.	2,5	%
Identified Triterpene alcohols: Taraxasterols and Amyrins (calc. as Sitosterol)	21.207.01, GCMS	n.s.	8,7	%
Pesticides	external analysis	EC No. 396/2005	meets	
Sum of benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene and chrysene	external analysis	EC No. 1881/2006	meets (13,9)	ppb
TEQ (WHO) for WHO-PCB on the whole product	external analysis	EC No. 1881/2006	meets (0,139)	pg/g
PCB's (Sum of PCB 28,52,101,138,153,180) on fat	external analysis	EC No. 1881/2006	meets (1,53)	ng/g

n.s. = not specified

n.d. = not detected

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The product meets the current version of the analytical (018.002_06_AS) and of the general (018.002_09_S) specification.

date of analysis: 2022.11.25

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



Digitally signed by Anja
Cavellius
Reason: Quality Control
Date: 2022.12.22 11:44:
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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. For further product-relevant substances, see IFRA list and cosmetic allergen list.