

Nature's Gift®

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

316 Old Hickory Blvd East, Madison, TN 37115
Tel (615)612-4270 fax (615)860-9171
sold@naturesgift.com

www.naturesgift.com

Certificate of Analysis

Calendula CO2 Total

Batch #GE-59091

production: November 2019 retest: November 2024
raw material: *Calendula officinalis* - Flowers, dried, from organic farming
country of origin of raw material: Germany
country of origin of product: Germany
D/E - ratio: 13 - 20 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.	1,2 % (g/ 100g)
Sum of Carotenoids (calc. as β -Carotene)	21.008.05, Spectrometer	0,7 - 1,4	0,76 %
Content of Faradiol ester	21.041.05, HPLC	17 - 25	23,1 %
Sum of Sterols (calc. as Sitosterol)	21.207.01, GCMS	n.s.	1,3 %
Identified Triterpene alcohols: Taraxasterols and Amyrins (calc. as Sitosterol)	21.207.01, GCMS	n.s.	16,5 %
Pesticides	external analysis	EC No. 396/2005	meets
Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene	external analysis	EC No. 1881/2006	24,8 ppb

n.s. = not specified

n.d. = not detected

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feature	method	limits	value	unit
TEQ (WHO) for PCDD/F + WHO-PCB	external analysis	EC No. 1881/2006	0,611	pg/g
PCB's (Sum of PCB 28,52,101,138,153,180)	external analysis	EC No. 1881/2006	2,51	ng/g

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

Digitally signed by Anja Cawelius
Reason: Quality Control
Date: 2020.01.08 14:17:25 +01'00'

The product meets specifications no. 018.002_06_AS and 66.137.07; date of analysis:
2020.01.08

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.