



## Certificate of Analysis

### Calendula (Marigold Flower) CO2-to extract (organic), type no. 018.002

Batch #GE-58873

production: September 2018      retest: September 2023  
raw material:                      *Calendula officinalis* - Flowers, dried, from organic farming  
country of origin of raw material: Germany  
country of origin of product:      Germany  
lab no.                                25720  
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.            | 2,1   | % (g/ 100g) |
| Sum of Carotenoids (calc. as $\beta$ -Carotene)      | 21.008.05, Spectrometer              | 0,7 - 1,4       | 0,78  | %           |
| Content of Faradiol ester                            | 21.041.05, HPLC                      | 17 - 25         | 24,0  | %           |
| Pesticides   | external analysis                    | EC No. 396/2005 | meets |             |
| 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.            | 10,7  | %           |

n.s. = not specified

n.d. = not detected

Storage conditions: Store in a cool, dry place!

The product meets specifications no. 16.149.05/66.137.06; date of analysis: 10.04.2018.

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

Digitally signed by Anja  
Cawelius Reason: Quality  
Control  
Date: 10.04.2018. 14:13:21 +02'00'

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.