

Nature's Gift[®]

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

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Certificate of Analysis

Helio Carrot Root CO₂ Total

Batch #DE-59330

production: May 2023	retest: May 2025
raw material:	<i>Daucus carota</i> - Roots, dried, from organic farming
country of origin of raw material:	Germany, Origin: Jojoba oil: Panama
country of origin of product:	Germany
D/E - ratio:	4,0 - 6,0 kg raw material yield 1 kg product.
Product contains:	about 95 % Jojoba oil (organic) and 0,1 % Rosemary Antioxidant Extract (organic)

Sensory Check

feature	reference	result
Appearance:	At room temperature red liquid oil, solidifies under cool storage (jojoba oil)	meets
Odour:	light sweet carrot smell	meets

Analytical Check

feature	method	limits	value unit
Sum of Carotenoids (calc. as β -Carotene)	21.008.05, Spectrometer	0,15 - 0,21	0,18 %
Peroxide Value	21.015.03, DGF, Wheeler	< 8	2,1 meq O ₂ /kg
Acid value	21.016.03, DGF	< 8	0,88 mg KOH/g
Saponification value	21.017.02, DGF	90 - 110	97,4 mg KOH/g
Density (20°C)	21.024.03, Pycnometer	n.s.	0,8691 g/cm ³

n.s. = not specified

n.d. = not detected

The product meets the current version of the analytical (023.007_03_AS) and of the general (023.007_08_S) specification.

date of analysis: 2023.05.23

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

Digitally signed by Anja
Cawellius
Reason: Quality Control
Date: 2023.05.23 08:
45:37+0200

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.