



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

www.naturesgift.com

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

Certificate of Analysis

Raspberry Seed CO2-total (Organic)

Batch #GE-58972

production: March 2019 retest: March 2021
raw material: *Rubus idaeus* - Seeds, dried (from organic farming)
lab no. 26834

country of origin of rawmaterial: Poland
country of origin of product: Germany
D/E - ratio: 8,3 - 12,5 kg raw material yield 1 kg product.

Product contains: 0,1 % Rosemary Antioxidant Extract (organic)

Sensory Check

feature	reference	result
Appearance:	yellow to brown oil	meets

Analytical Check

feature	method	limits	value unit
Fatty acid composition:			
Palmitic Acid C16:0	21.156.03, GCFID	n.s.	2,5 %
Palmitoleic Acid C16:1 w7	21.156.03, GCFID	n.s.	0,12 %
Stearic Acid C18:0	21.156.03, GCFID	n.s.	0,78 %
Oleic Acid C18:1 w9	21.156.03, GCFID	n.s.	11,8 %
Vaccenic Acid C18:1 w7	21.156.03, GCFID	n.s.	0,51 %
Linoleic Acid C18:2 w6	21.156.03, GCFID	48 - 63	56,2 %
alpha Linolenic acid C18:3 w3	21.156.03, GCFID	23 - 30	27,6 %
Arachidic Acid C20:0	21.156.03, GCFID	n.s.	0,40 %
Total fat	DGF method, C-VI 10b	n.s.	100,0 %
Saturated fatty acids	DGF method, C-VI 10b	n.s.	3,7 %
Monounsaturated fatty acids	DGF method, C-VI 10b	n.s.	12,4 %
Polyunsaturated fatty acids	DGF method, C-VI 10b	n.s.	83,8 %
Fat numbers:			
Peroxide Value	21.015.03, DGF, Wheeler	< 10	2,6 meqO2/kg
Acid value	21.016.03, DGF	< 20	9,2 mgKOH/g
Sum of Tocopherols (calc. as alpha Tocopherol)	21.113.03, HPLC	n.s.	0,27 %
Sum of Tocotrienols	21.113.03, HPLC	n.s.	0,024 %
aw-value	LabSwift aw-value Measurement	< 0,7 0,55 (24,5 °C)	

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



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feature	method	limits	value unit
Refractive index (20°C)	21.080.03, Abbe-Refractometer	1,470 - 1,495	1,4820
Density (20°C)	21.024.03, Pycnometer	0,915 - 0,940	0,9255 g/cm ³
Benzo(a)pyrene	21.177.02, GCMS	< 0,002	meets ppm
Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene	21.177.02, GCMS	< 0,010	meets ppm

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

Storage conditions: Store in a cool, dry place and under inert gas!

Digitally signed by Anja Cawellius
Reason: Quality Control
Date: 2019.03.20 13:01:01 +01'00'

The product meets specifications no. 16.563.02/66.525.01; date of analysis: 2019.03.20

This computerized CoA has digital signature verified 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.