



Healing Body, Mind, and Spirit
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Certificate of Analysis: Rosehip Seed CO₂, *Rosa canina*, organic seeds from Chile, CO₂ extracted in Germany.

Batch No: GE-251208

Lab No: 19484

Type No: 046.004 / DE-OKo-013

Production: September 2015

Retest: September 2017

Date of Analysis: 10.08.2015

D/E- ratio: 13 - 15 kg raw material yield 1 kg product.

Product contains: Rosemary Antioxidant Extract (organic)

Storage: In a cool, dry place and under inert gas.

Sensory Check

Feature	Reference	Result
Appearance	Yellow-reddish, clear oil	meets

Analytical Check

Feature	Method	Limits	Value Unit
Fatty acid composition:			
Palmitic Acid C16:0	21.156.02, GCFID	2-6	3,7 %
Palmitoleic Acid C16:1 w7	21.156.02, GCFID	n.s.	0,13 %
Stearic Acid C18:0	21.156.02, GCFID	<5	1,7 %
Oleic Acid C18:1 w9	21.156.02, GCFID	12 - 22	14,3 %
Vaccenic Acid C18:1 w7	21.156.02, GCFID	n.s.	0,49 %
Linoleic Acid C18:2 w6	21.156.02, GCFID	41 - 59	44,5 %
alpha Linolenic acid C18:3 w3	21.156.02, GCFID	20 - 35	34,9 %
Arachidic Acid C20:0	21.156.02, GCFID	n.s.	0,36 %
Sum of Carotenoids (calc. as beta-Carotene)	21.010.04, UV-VIS	< 0,03	0,004 %
Fat numbers:			
Peroxide Value	21.015.02, DGF, Wheeler	< 12	5,5 meq O ₂ /kg
Acid value	21.016.02, DGF	1 - 15	1,7 mg KOH/g
Saponification value	21.017.01, DGF	180-210	190 mg KOH/g
Ester value	= SV - AV	170 - 200	189 mg KOH/g
Unsaponifiables	21.020.02, DGF	<3	1,5 %
Content of water			
Sum of Sterols (calc. as Sitosterol)	Karl Fischer method	n.s.	0,15 %
Sum of Tocopherols (calc. as alpha Tocopherol)	21.132.02, GCFID	n.s.	0,68 %
	21.113.02, HPLC	n.s.	0,09 %
Refractive index (20.C) 1,482	Abbe-Refractometer	1,475 - 1,485	1,482
Density (20°C)	21.024.02, Pycnometer	0,910 - 0,930	0,9262 g/cm ³

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

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