



Certificate of Analysis

Raspberry Seeds CO2-total Batch GE-58916

lab no. 26453
 production: January 2019 retest: January 2021
 raw material: *Rubus idaeus* - Seeds, dried
 country of origin of rawmaterial: Chile
 country of origin of product: Germany
 D/E - ratio: 7,5 - 8,3 kg raw material yield 1 kg product.
 Product contains: 0,1 % Rosemary Antioxidant

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.	2,1 %
Palmitoleic Acid C16:1 w7	21.156.03, GCFID	n.s.	0,07 %
Stearic Acid C18:0	21.156.03, GCFID	n.s.	0,83 %
Oleic Acid C18:1 w9	21.156.03, GCFID	n.s.	12,0 %
Vaccenic Acid C18:1 w7	21.156.03, GCFID	n.s.	0,48 %
Linoleic Acid C18:2 w6	21.156.03, GCFID	48 - 63	59,5 %
alpha Linolenic acid C18:3 w3	21.156.03, GCFID	23 - 30	24,9 %
Arachidic Acid C20:0	21.156.03, GCFID	n.s.	0,14 %
Total fat	DGF method, C-VI 10b	n.s.	100 %
Saturated fatty acids	DGF method, C-VI 10b	n.s.	3,0 %
Monounsaturated fatty acids	DGF method, C-VI 10b	n.s.	12,6 %
Polyunsaturated fatty acids	DGF method, C-VI 10b	n.s.	84,4 %
Fat numbers:			
Peroxide Value	21.015.03, DGF, Wheeler	< 10	1,5 meq O2/kg
Acid value	21.016.03, DGF	< 20	6,8 mg KOH/g
Sum of Tocopherols (calc. as alpha Tocopherol)	21.113.03, HPLC	n.s.	0,067 %
Sum of Tocotrienols	21.113.03, HPLC	n.s.	0,016 %
Density (20°C)	21.024.03, Pycnometer	0,915 - 0,940	0,9281 g/cm ³

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



Certificate of Analysis

Raspberry Seeds CO2-total Batch GE-58916

Analytical Check

feature	method	limits	value	unit
Refractive index (20°C)	21.080.03, Abbe-Refractometer	1,470 - 1,495	1,4828	
aw-value	LabSwift aw-value Measurement	< 0,7	0,46	(23,2 °C)
Content of water	21.220.01, Karl Fischer method	n.s.	0,20	%
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 Cawelius
Reason: Quality Control
Date: 2019.01.18 14:53:23 +01'00'

The product meets specifications no. 16.371.03/66.254.04; date of analysis: 2019.01.18

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

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.