

Nature's Gift®

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

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Certificate of Analysis

Pomegranate Seed CO₂

Batch #DE-59458

production: February 2025

retest: February 2027

raw material:

Punica granatum - Seed, dried, from organic farming

country of origin of raw material: Türkiye

country of origin of product: Germany

D/E - ratio: 6,0 - 10,0 kg raw material yield 1 kg product.

Product contains:

0,1 % Rosemary Antioxidant Extract (organic)

Sensory Check

feature	reference	result
Appearance:	Yellow oil, with viscous consistence at room temperature	meets

Analytical Check

feature	method	limits	value	unit
Fatty acid composition:				
Palmitic Acid C16:0	21.156.03, GCFID	n.s.	2,7	%
Palmitoleic Acid C16:1 w7	21.156.03, GCFID	n.s.	0,01	%
Stearic Acid C18:0	21.156.03, GCFID	n.s.	2,2	%
Oleic Acid C18:1 w9	21.156.03, GCFID	n.s.	5,3	%
Vaccenic Acid C18:1 w7	21.156.03, GCFID	n.s.	0,42	%
Linoleic Acid C18:2 w6	21.156.03, GCFID	n.s.	5,0	%
alpha Linolenic acid C18:3 w3	21.156.03, GCFID	n.s.	0,48	%
Arachidic Acid C20:0	21.156.03, GCFID	n.s.	0,67	%
Punicic Acid C18:3 w5	21.156.03, GCFID	> 60	68,7	%
CLnA Isomers	21.156.03, GCFID	n.s.	14,6	%
Fat numbers:				
Peroxide Value	21.015.03, DGF, Wheeler	< 10	2,1	meq O ₂ /kg
Acid value	21.016.03, DGF	< 10	1,5	mg KOH/g
Saponification value	21.017.02, DGF	n.s.	199	mg KOH/g
Ester value	= SV - AV	n.s.	197	mg KOH/g
Unsaponifiables	21.020.03, DGF	n.s.	0,98	%
Content of water	21.220.01, Karl Fischer method	< 0,5	0,06	%
aw-value	LabSwift aw-value Measurement	< 0,7	0,281 (22,1°C)	

Sum of Tocopherols (calc. as alpha Tocopherol)	21.113.03, HPLC	n.s.	0,062 %
		n.s. = not specified	n.d. = not detec

Analytical Check

feature	method	limits	value unit
Sum of Sterols (calc. as Sitosterol)	21.132.03, GCFID	n.s.	0,55 %
Squalene	21.180.02, GCFID	n.s.	0,0089 %
Refractive index (20°C)	21.271.01, Digital Refractometer	1,513 - 1,525	1,5233
Density (20°C)	21.024.03, Pycnometer	0,930 - 0,950	0,9414 g/cm³

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.

The product meets the current version of the analytical (170.001_03_AS) and of the general (170.001_09_S) specification.

date of analysis: 2025.02.18

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



Digitally signed by Anja