

# Nature's Gift®

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

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

www.naturesgift.com

## Certificate of Analysis

### Chia Seed (Spanish Sage) CO2 Total

#### Batch #GE-59242

lab no. 31525  
production: May 2021                      retest: May 2023  
raw material:                                *Salvia hispanica* - Seeds, dried, from organic farming  
country of origin of raw material: Nicaragua  
country of origin of product: Germany  
D/E - ratio:                                 3,1 - 3,6 kg raw material yield 1 kg product.

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

### Sensory Check

feature	reference	result
Appearance:	Yellow-orange, clear oil	meets

### Analytical Check

feature	method	limits	value unit
Fatty acid composition:			
Palmitic Acid C16:0	21.156.03, GCFID	n.s.	6,8 %
Palmitoleic Acid C16:1 w7	21.156.03, GCFID	n.s.	0,07 %
Stearic Acid C18:0	21.156.03, GCFID	n.s.	3,2 %
Oleic Acid C18:1 w9	21.156.03, GCFID	n.s.	7,0 %
Vaccenic Acid C18:1 w7	21.156.03, GCFID	n.s.	0,78 %
Linoleic Acid C18:2 w6	21.156.03, GCFID	15 - 21	17,2 %
alpha Linolenic acid C18:3 w3	21.156.03, GCFID	> 60	64,7 %
Arachidic Acid C20:0	21.156.03, GCFID	n.s.	0,25 %
Total fat			
Saturated fatty acids	DGF method, C-VI 10b	n.s.	100,0 %
Monounsaturated fatty acids	DGF method, C-VI 10b	n.s.	10,3 %
Polyunsaturated fatty acids	DGF method, C-VI 10b	n.s.	7,9 %
Fat numbers:			
Unsaponifiables	21.020.03, DGF	n.s.	0,80 %
Peroxide Value	21.015.03, DGF, Wheeler	< 15	3,5 meq O2/kg
Acid value	21.016.03, DGF	< 8	2,1 mg KOH/g
Saponification value	21.017.02, DGF	n.s.	193 mg KOH/g
Ester value	= SV - AV	n.s.	191 mg KOH/g
Sum of Tocopherols (calc. as alpha Tocopherol)	21.113.03, HPLC	n.s.	0,044 %

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

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feature	method	limits	value	unit
Sum of Sterols (calc. as Sitosterol)	21.132.03, GCFID	n.s.	0,43	%
Content of water	21.220.01, Karl Fischer method	n.s.	0,14	%
Refractive index (20°C)	21.080.03, Abbe-Refractometer	1,480 - 1,486	1,4829	
Density (20°C)	21.024.03, Pycnometer	0,920 - 0,935	0,9317	g/cm <sup>3</sup>
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
Aflatoxine B1	21.193.02, HPLC	EC No. 1881/2006	meets	ppb
Total Aflatoxines B1,B2,G1,G2	21.193.02, HPLC	EC No. 1881/2006	meets	ppb

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

The product meets the current version of the analytical (165.002\_04\_AS) and of the general (165.002\_05\_S) specification.

date of analysis: 2021.05.14

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

Digitally signed by Anja Cawellius  
Reason: Quality Control  
Date: 2021.05.14 17:18:07 +02'00'

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.