



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

www.naturesgift.com

Certificate of Analysis: Chia Seed CO₂, *Salvia hispanica*, organic seeds from Paraguay, extracted in Germany.

Batch No: GE-851311

Lab No: 19911

Type No: 165.002 DE-ÖKO-013

D/E Ratio: 3,1 - 3,6 kg raw material yield 1 kg product

Production: November 2015 retest: November 2017

Sensory Check

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

Analytical Check

feature	method	limits	value/unit
Palmitic Acid C16:0	21.156.02, GCFID	n.s.	7,2 %
Palmitoleic Acid C16:1 w7	21.156.02, GCFID	n.s.	0,10 %
Stearic Acid C18:0	21.156.02, GCFID	n.s.	2,9 %
Oleic Acid C18:1 w9	21.156.02, GCFID	n.s.	5,4 %
Vaccenic Acid C18:1 w7	21.156.02, GCFID	n.s.	0,80 %
Linoleic Acid C18:2 w6	21.156.02, GCFID	15 - 25	18,8 %
alpha Linolenic acid C18:3 w3	21.156.02, GCFID	> 60	64,6 %
Arachidic Acid C20:0	21.156.02, GCFID	n.s.	0,23 %
Fat numbers:			
Unsaponifiables	21.020.02, DGF	n.s.	1,3 %
Peroxide Value	21.015.02, DGF, Wheeler	< 15	7,8 meq O ₂ /kg
Acid value	21.016.02, DGF	< 5	2,5 mg KOH/g
Saponification value	21.017.01, DGF	n.s.	192 mg KOH/g
Ester value	= SV - AV	n.s.	190 mg KOH/g
Sum of Tocopherols (calc. as alpha Tocopherol)	21.113.02, HPLC	n.s.	0,03 %
Sum of Sterols (calc. as Sitosterol)	21.132.02, GCFID	n.s.	0,71 %
Content of water	Karl Fischer Titr.	n.s.	0,15 %
Refractive index (20°C)	Abbe-Refractometer	1,480 - 1,486	1,4844
Density (20°C)	21.024.02, Pycnometer	0,920 - 0,935	0,9297 g/cm ³

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