

Product name:

Product code:

Batch:

Best before date:

Organic Chia Seed CO2-to extract

CO060

842311

02/2027

General identification data	
Parameter	Value
Botanical source	Salvia hispanica L.
CAS No.	93384-40-8, 84604-14-8
EC number	297-250-8, 283-291-9
Product color	Yellow, Orange
HS code	15159059
INCI	Salvia Hispanica Seed Extract, Rosmarinus Officinalis Leaf Extract
Country of origin	Germany
Grade	Cosmetic Grade, Food Grade
Processing method	CO2 Extraction
Origin of product	Vegetable
Storage conditions	Store in a cool place, Protect from light, Store in a dry and clean environment, Keep container tightly closed
Odour	Characteristic
Appearance	Oil solution

Analytical parameters		
Parameter	Value	Range
Water activity (a_w)	0,437	< 0,7
Benzo[a]pyrene, C20H12 (ppm)	Complies	< 0,002
Total monounsaturated fatty acids (%)	6,6	n.s.
Total saturated fatty acids (%)	10,5	n.s.
Total polyunsaturated fatty acids (%)	82,9	n.s.
Total fat (%)	100,0	n.s.
Acid value (mg KOH/g)	1,1	< 8

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Analytical parameters		
Parameter	Value	Range
Ester value (mg KOH/g)	195	n.s.
Refractive index at 20 °C	1,4820	1,480 - 1,486
Unsaponifiable matter (%)	2,5	n.s.
Water content (%)	0,10	n.s.
Peroxide value (meq O2/kg)	5,3	< 15
Saponification value (mg KOH/g)	196	n.s.
Specific density at 20 °C (g/cm3)	0,9312	0,920 - 0,935
Total sterols (as sitosterol) (%)	0,64	n.s.
Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene (ppm)	Complies	< 0,010
Total tocopherols (as alpha-tocopherol) (%)	0,028	n.s.
Turbidity (NTU)	1,88	< 10

Fatty acid profile		
Parameter	Value	Range
Alpha-linolenic acid C18:3	64,8	> 60
Arachidic acid C20:0	0,23	n.s.
Linoleic acid C18:2	18,1	15 - 21
Oleic acid C18:1	5,8	n.s.
Palmitoleic acid C16:1	0,05	n.s.
Palmitic acid C16:0	7,0	n.s.
Stearic acid C18:0	3,2	n.s.
Vaccenic acid C18:1	0,75	n.s.

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All data and facts above are taken from the certificate provided by the manufacturer. This certificate confirms that the product meets all specified quality parameters and regulatory requirements.

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