

Product name:

Product code:

Batch:

Best before date:

Rosehip Seed CO2-to extract, Organic

CO650

852013

02/2027

General identification data	
Parameter	Value
CAS No.	84696-47-9; 84604-14-8
EC number	283-652-0; 283-291-9
Product color	Red, Amber
HS code	13021970
INCI	Rosa Canina (Rosehip) Seed Extract, Rosmarinus Officinalis (Rosemary) Leaf Extract
Country of origin	South Africa, Germany
Grade	Cosmetic Grade, Food Grade
Storage conditions	Protect from light, Store in a dry and clean environment, Keep container tightly closed
Odour	Characteristic
Appearance	Liquid

Analytical parameters		
Parameter	Value	Range
Water activity (a_w)	0,477	< 0,7
Benzo[a]pyrene, C20H12 (ppm)	0,002	< 0,002
Total monounsaturated fatty acids (%)	15,6	
Total saturated fatty acids (%)	5,4	
Total polyunsaturated fatty acids (%)	79,1	
Acid value (mg KOH/g)	4,3	1 - 15
Ester value (mg KOH/g)	184	170 - 200
Refractive index at 20 °C	1,497	1,470 - 1,485
Carotenoids (%)	0,015	0,01 - 0,02

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Analytical parameters		
Parameter	Value	Range
Water content (%)	0,16	
Peroxide value (meq O2/kg)	6,4	< 12
Saponification value (mg KOH/g)	188	180 - 210
Specific density at 20 °C (g/cm3)	0,9290	0,910 - 0,930
Total sterols (as sitosterol) (%)	0,67	
Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene (ppm)	0,006	< 0,010
Total tocopherols (as alpha-tocopherol) (%)	0,10	
Fatty acid profile		
Parameter	Value	Range
Alpha-linolenic acid C18:3	33,9	20 - 35
Arachidic acid C20:0	0,73	
Linoleic acid C18:2	45,2	41 - 59
Oleic acid C18:1	14,9	12 - 22
Palmitoleic acid C16:1	0,18	
Palmitic acid C16:0	3,1	2 - 6
Stearic acid C18:0	1,6	< 5

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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