

Product name:	Seabuckthorn Berries CO2-to Extract, Organic
Product code:	CO360
Batch:	942104
Best before date:	05/2026

General identification data	
Parameter	Value
CAS No.	90106-68-6, 84604-14-8
Product color	Red, Orange
INCI	Hippophae Rhamnoides Fruit Extract and Rosmarinus Officinalis Leaf Extract
Country of origin	Germany
Grade	Cosmetic Grade
Storage conditions	Protect from direct sunlight, Store in a cool place, Store in a dry and clean environment
Odour	Characteristic
Appearance	Oil solution

Analytical parameters		
Parameter	Value	Range
Water activity (a_w)	0,458	< 0,7
Benzo[a]pyrene, C20H12 (ppm)	Complies	< 0,002
Total monounsaturated fatty acids (%)	60,3	
Total saturated fatty acids (%)	30,2	
Total polyunsaturated fatty acids (%)	9,5	
Acid value (mg KOH/g)	16,1	< 18
Ester value (mg KOH/g)	184	
Refractive index at 20 °C	1,4672	1,460 - 1,480
Carotenoids (%)	0,06	0,05 - 0,20
Unsaponifiable matter (%)	2,5	
Water content (%)	0,13	
Peroxide value (meq O2/kg)	3,6	< 15

Handymade s.r.o.

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Analytical parameters		
Parameter	Value	Range
Saponification value (mg KOH/g)	200	
Specific density at 20 °C (g/cm3)	0,9177	0,910 - 0,925
Total sterols (as sitosterol) (%)	0,89	> 0,80
Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene (ppm)	Complies	< 0,010
Total tocopherols (as alpha-tocopherol) (%)	0,0049	

Fatty acid profile		
Parameter	Value	Range
Alpha-linolenic acid C18:3	2,8	
Arachidic acid C20:0	0,26	
Linoleic acid C18:2	6,7	
Oleic acid C18:1	15,4	10 - 20
Palmitoleic acid C16:1	36,1	28 - 38
Palmitic acid C16:0	28,6	20 - 30
Stearic acid C18:0	1,3	
Vaccenic acid C18:1	8,9	> 6

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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