

Essentially Natural

Products with purpose.

The Essentially Natural Domain (Pty) Ltd | Reg. No. 2014/170069/07
 Unit 14, Duville Business Park, 8 Arum Lily Street, Durbanville, Cape Town, South Africa 7550
www.essentiallynatural.co.za (T) 021 976 9116 (E) support@essentiallynatural.co.za

CERTIFICATE OF ANALYSIS

Product	Sea Buckthorn Fruit Carrier Oil
Botanical Name	<i>Hippophae rhamnoides</i>
Quality	100 % Pure, Natural
CAS No.	90106-68-6 ; 225234-03-7
Batch No.	ESC13675C
Manufacture Date	September 2023
Retest Date	August 2025
Country of Origin	China
Extraction Method	Cold Pressed
Part of Plant Used	Fruit Pulp
Storage Conditions	Store in a cool dark place

Properties	Specifications	Results	
Appearance	Deep Reddish Orange to Dark Orange, thick oil	Complies	
Odour	Characteristic mildly sweet, musky, earthy odour	Complies	
Refractive Index @ 20 °C	1.450 - 1.480	1.468	
Specific Gravity @ 20 °C	0.900 - 0.930	0.918	
Saponification Value (mgKOH/g)	170 - 200	185	
Peroxide Value (meq O ₂ /kg)	Less than 5.0	Conforms	
Iodine Value (gI ₂ /100g)	30 - 100	Conforms	
Acid Value	Less than 10.0	Conforms	
Carotenoids (mg/100g)	Minimum 200	Conforms	
Solubility	Soluble in cosmetics esters and fixed oils ; insoluble in water	Conforms	
Fatty Acid	C-Chain	Specifications %	Results %
Palmitic Acid	C16:0	28.00 - 40.00	34.40
Palmitoleic Acid	C16:1 (n-7)	32.00 - 42.00	36.60

Disclaimer: This information is believed to be current and accurate but is provided without any warranty expressed or implied. Customers are advised to determine in advance the safe conditions for use of this product.

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Fatty Acid	C-Chain	Specifications %	Results %
Stearic Acid	C18:0	Maximum 2.0	0.60
Oleic Acid (including Vaccenic Acid)	C18:1	6.00 - 15.00	13.20
Linoleic Acid	C18:2 (n-6)	4.00 - 16.00	12.10
Alpha Linolenic Acid	C18:3 (n-3)	0.50 - 2.50	1.60
Nervonic Acid	C24:1 (n-9)	Maximum 1.50	0.60