

TECHNICAL DATA SHEET

Product Name	SEABUCKTHORN SEED OIL
Botanical Name	Hippophae rhamnoides
Product Code	PCO4089
CAS #	90106-68-6 ; 225234-03-7
EINECS #	290-292-8
INCI Name	Hippophae rhamnoides (Sea Buckthorn) Seed Oil

Part Used	Seeds
Extraction Method	Supercritical CO ₂ Extraction
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to reddish orange colored liquid
Odour	Characteristic sweet, subtle odour
Refractive Index	1.470 - 1.490 @ 20°C
Specific Gravity (g/mL)	0.910 - 0.940 @ 20°C
Saponification Value (mgKOH/g)	180 - 200
Peroxide Value (meq O₂/kg)	Less than 1.0
Iodine Value (g I₂/100g)	140 - 180
Acid Value (mgKOH/g)	Less than 15.0
Solubility	Soluble in alcohols and fixed oils; Insoluble in water

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
Palmitic Acid	C16:0	5.00 – 11.20
Palmitoleic Acid	C16:1 (n-7)	Maximum 5.00
Stearic Acid	C18:0	1.00 – 3.00
Oleic Acid	C18:1 (n-9)	14.00 – 21.00
Linoleic Acid	C18:2 (n-6)	34.00 – 41.00
Alpha-Linolenic Acid	C18:3 (n-3)	24.00 – 35.00

As it is electronically generated document, hence no signature required.

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