

TECHNICAL DATA SHEET

Product Name	SEABUCKTHORN BERRY PULP OIL
Botanical Name	Hippophae rhamnoides
Product Code	PCO4045
CAS #	90106-68-6 ; 225234-03-7
EINECS #	290-292-8
INCI Name	Hippophae rhamnoides (Sea Buckthorn) Fruit Oil

Part Used	Fruit pulp
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Deep reddish orange to dark brown colored thick liquid
Odour	Mildly sweet, musky, earthy, subtle odour
Refractive Index	1.450 - 1.480 @ 20°C
Specific Gravity (g/mL)	0.900 - 0.930 @ 20°C
Saponification Value (mgKOH/g)	180 - 200
Peroxide Value (meq O₂/kg)	Less than 3.0
Iodine Value (g I₂/100g)	30 - 100
Acid Value (mgKOH/g)	Less than 10.0
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	28.00 – 43.00
Palmitoleic Acid	C16:1 (n-7)	32.00 – 42.00
Stearic Acid	C18:0	Maximum 2.00
Oleic Acid	C18:1 (n-9)	18.00 – 30.00
Linoleic Acid	C18:2 (n-6)	1.00 – 6.00
Alpha-Linolenic Acid	C18:3 (n-3)	Maximum 2.50

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

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