

Product Specifications

Product: SEABUCKTHORN PULP OIL

CAS-No.: 225234-03-7

INCI: *Hippophae Rhamnoides* Oil

Origin and Production:

Seabuckthorn berries (*Hippophae Rhamnoides L.*) are acquired from the richest and most unusual local fruit. The pulp contains about 2% oil, which is gained by a solvent free separation process. It is of orange color and has a fruity odor. The pulp is high in Palmitic and Palmitoleic Acid content, carotinoids, and vitamin A + E. Due to its complex composition the oil may turn cloudy, which is sometimes irreversible even at higher temperatures.

Test	Specification	
	min.	max.
Sp. Gr. (20 °C)	0.900	0.930
RI, η_D^{20}	1.420	1.510
Acid value ¹		10.0
Iodine value	60	70
Saponification value	190	210
<u>Fatty Acid composition</u>		
Palmitic Acid, C (16:0)	30%	
Palmitoleic Acid, C (16:1)	30%	
Oleic Acid, C (18:1)		30%
Linoleic Acid, C (18:2)		20%
Linolenic Acid, C (18:3)		5.0%

Storage: Protect from light. Maintain at or below room temperature, in tightly sealed containers (nitrogen blanketed). Once opened product should be used immediately.

Usage: Seabuckthorn Pulp Oil has been used as a traditional remedy in the Middle and Far East for centuries. It is used as a treatment for burns, frostbite, eczema and stomach and bowel diseases. The cosmetic industry utilizes Seabuckthorn Pulp Oil in skin and hair emulsions. Seabuckthorn Pulp Oil has a special effect on dry, sunburned and stressed skin. The carotinoids work to repair ultra violet light damaged and pollution stressed skin. The oil contains ca. 50% C- 16 fatty acids, creating a unique polar fatty acid profile which enhances the emulsifying and spreading properties.

¹ This acid value reflects not only fatty acids, but also organic acids. Depending on the raw material quality, some of the organic acids present are retained in the fatty oil and are included in the acid value determination. Depending on production method and means of extraction this value may differ.