



Certificate of Analysis

Sea buckthorn Carrier Oil

hippophae rhamnoides

Prod Lot No.	15054 - A26, B26,C26,D26,E26,F26,G26,H26
Expiration Date	June, 2020

Properties	Specifications	Results
Appearance:	Reddish-brown to dark brown clear liquid.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Miscible with fatty oils and fat soluble organic solvents. Insoluble in water.	Complies
Specific Gravity:	0.8500 0.9800 @ 25°C	0.9151
Refractive Index:	1.4500 1.4800 @ 20°C	1.465
Acid Value:	≤ 40.0 mgKOH/g	12.8
Iodine Value:	30 - 100 g/100g	67.7
Saponification Value:	130-200	Complies
Unsaponifiables:	≥ 1	3.73
Peroxide value:	≤ 0.4	0.15
Vitamin E:	≥ 100 mg/100g	137
Total Carotenoides:	≥ 150 mg/100g	186
α-tocopherol:	≥ 60 mg/100g	105
β-carotene:	≥ 5 mg/100g	6.73
Linoleic acid, C18:2:	2.0 - 8.0 %	4.07
Linolenic acid, C18:3:	1.0 3-0 %	1.05

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