



The Soap Kitchen

Unit 2 D&E Hatchmoor Industrial Estate
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Certificate of Analysis

Description: **Seabuckthorn Oil** Batch: **17506**

Inci Name: **Hippophae Rhamnoides Fruit (Seabuckthorn) Oil**

Cas No: **N/A** Einecs No: **N/A**

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE	Clear liquid	Complies
COLOUR	Brown yellow to red brown	Complies
ODOUR	Characteristic	Complies
SPECIFIC GRAVITY @ 20°C	0.910 – 0.940	0.910
REFRACTIVE INDEX @ 20°C	1.450 - 1.480	1.469
FREE FATTY ACID (% AS OLEIC)	≤ 10.0	0.75
IODINE VALUE (CALC)	30 - 100	72
PEROXIDE VALUE (Meq / kg)	≤ 10.0	3.15
SAPONIFICATION VALUE	130 - 200	167
UNSAAPONIFIABLE MATTER	≤ 1.0	< 1.0
ACID VALUE	≤ 20.0	1.50
FLASH POINT (°C)	> 200	Complies
WATER AND VOLATILE (%)	≤ 0.3	0.06

FATTY ACID PROFILE (MAJOR ACIDS)	ACID NAME	C-CHAIN	RANGE	RESULT
	MYRISTIC	C14:0	≤ 1.0	0.85
	PALMITIC	C16:0	28.0 – 35.0	31.03
	PALMITOLEIC	C16:1	25.0 – 38.0	28.57
	STEARIC	C18:0	≤ 3.0	2.10
	OLEIC	C18:1	21.0 – 32.0	29.0
	LINOLEIC	C18:2	4.0 – 12.0	6.30
	ALPHA LINOLENIC	C18:3	≤ 4.0	1.99

Date Produced: September 2010

Best Before: September 2012