

TECHNICAL DATA SHEET (TDS)

Product Name	MEADOWFOAM SEED OIL
Botanical Name	Limnanthes alba
CAS #	169407-13-5; 153065-40-8
EINECS #	-
INCI Name	Limnanthes alba (Meadowfoam) Seed oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to light golden colored liquid
Odour	Almost odorless
Refractive Index	1.465 - 1.475 @ 20°C
Specific Gravity (g/mL)	0.900 - 0.920 @ 20°C
Saponification Value (mgKOH/g)	160 - 175
Peroxide Value (meqO ₂ /kg)	Less than 1.0
Iodine Value (g I ₂ /100g)	85 - 95
Acid Value (mgKOH/g)	Less than 0.5
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water

FREE ACID COMPOSITION

FATTY ACID	C-CHAIN	SPECIFICATIONS (%)
11-Eicosenoic Acid	C20:1 (n-9)	58.00 – 75.00
Docosenoic Acid	C22:1	13.00 – 20.00
Docosadienoic Acid	C22:2	14.00 – 21.00

MICROBIAL ANALYSIS	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149
Yeast and Mould	< 10 CFU/g	ISO 16212
Candida albicans	ABSENT / 1g	ISO 18416
Escherichia coli	ABSENT / 1g	ISO 21150
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717
Staphylococcus aureus	ABSENT / 1g	ISO 22718

<u>HEAVY METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Lead: Pb (mg/kg or ppm)	< 10 ppm	na
Arsenic: As (mg/kg or ppm)	< 2 ppm	na
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na

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