Avena Lab
Farmadria d.o.o. Since 1991.

Import and distrubition for Serbia: Avena Lab - Farmadria d.o.o.
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TECHNICAL DATA SHEET

Product Name	**ABYSSINIAN (CRAMBE SEED) OIL**
Botanical Name	Crambe abyssinica
Product Code	PCO4076
INCI Name	Crambe Abyssinica Seed Oil

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

PROPERTIES	SPECIFICATIONS
Appearance	Pale yellow to golden yellow colored liquid
Odour	Characteristic faint odour
Refractive Index	1.465 - 1.475 @ 20°C
Specific Gravity (g/mL)	0.900 - 0.925 @ 20°C
Saponification Value (mgKOH/g)	160 - 175
Peroxide Value (meq O_2/kg)	Less than 5.0
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

FATTY ACID COMPOSITION:

FATTY ACID	C-CHAIN	SPECIFICATIONS (%)
Palmitic Acid	C16:0	1.00 – 4.00
Stearic Acid	C18:0	0.50 – 2.00
Oleic Acid	C18:1 (n-9)	10.00 – 25.00
Linoleic Acid	C18:2 (n-6)	7.00 – 15.00
Alpha-Linolenic Acid	C18:3 (n-3)	2.00 – 5.00
11-Eicosenoic Acid	C20:1 (n-9)	2.00 – 6.00
Behenic Acid	C22:0	1.00 – 3.00
Erucic Acid	C22:1 (n-9)	50.00 – 65.00
Lignoceric Acid	C24:0	Maximum 1.00

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MICROBIAL ANALYSIS	SPECIFICATIONS	STANDARDS
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

HEAVY METAL TESTS	SPECIFICATIONS	STANDARDS
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

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

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

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