

## TECHNICAL DATA SHEET

<b>Product Name</b>	<b>ABYSSINIAN (CRAMBE SEED) OIL</b>
<b>Botanical Name</b>	Crambe abyssinica
<b>Product Code</b>	PCO4076
<b>INCI Name</b>	Crambe Abyssinica Seed Oil

<b>Part Used</b>	Seeds
<b>Extraction Method</b>	Cold Pressed
<b>Quality</b>	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
<b>Appearance</b>	Pale yellow to golden yellow colored liquid
<b>Odour</b>	Characteristic faint odour
<b>Refractive Index</b>	1.465 - 1.475 @ 20°C
<b>Specific Gravity (g/mL)</b>	0.900 - 0.925 @ 20°C
<b>Saponification Value (mgKOH/g)</b>	160 - 175
<b>Peroxide Value (meq O<sub>2</sub>/kg)</b>	Less than 5.0
<b>Iodine Value (g I<sub>2</sub>/100g)</b>	85 - 95
<b>Acid Value (mgKOH/g)</b>	Less than 0.5
<b>Solubility</b>	Soluble in cosmetic esters and fixed oils; Insoluble in water

### FATTY ACID COMPOSITION:

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

### 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.

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