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Product Specifications

BORAGE SEED OIL, REFINED (22% min. GLA)

CAS 225234-12-8

INCI: *Borago Officinalis* Seed Oil

**Origin and
Production:**

Borage seed oil is obtained from *Semen Boragines* by pressing and/or extracting and subsequent refining. The oil is of light yellow color and has a faint odor and taste.

<i>Test</i>	<i>Specification</i>	
	<u>Min</u>	<u>Max</u>
Sp Gr (20 °C)	0.918	0.928
RI, η_D^{20}	1.474	1.479
Acid value		1.0
Iodine value	130	150
Saponification value	184	194
Unsaponifiable Matter		2.0%
<u>Fatty Acid composition</u>		
Palmitic Acid, C (16:0)	9.0	12.0%
Palmitoleic Acid, C (16:1)		0.6%
Stearic Acid, C (18:0)	2.0	6.0%
Oleic Acid, C (18:1)	12.0	22.0%
Linoleic Acid, C (18:2)	30.0	41.0%
α -Linolenic Acid, C (18:3)		0.5%
γ -Linolenic Acid, C (18:3)	22.0%	
Arachidic Acid, C (20:0)		0.5%
Eicosenoic Acid, C (20:1)	2.8	4.4%
Erucic Acid C, (22:1)		3.0%
Nervonic Acid, C (24:1)		4.5%

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Storage: Protect from light. Maintain at or below room temperature, in tightly sealed containers (nitrogen blanketed). Once opened product should be used immediately.

Usage: Borage Seed Oil is valued by the pharmaceutical and cosmetic industry because of its high content of γ -Linolenic Acid, also called GLA, and is used in dermatological formulations.
