



TECHNICAL DATA

A division of Spectrum Organic Products, Inc

Product Name: **Borage Oil**
Source: Borage seed (*Borago officinalis*)
Manufacturing: Expeller Pressed under inert gas

Borage oil has the highest content of gamma-linolenic acid (GLA) of any plant source. GLA is an Essential Fatty Acid necessary for metabolic pathways involving hormone balance brain functions, blood pressure, inflammations and healthy skin. Borage oil typically contains 20% GLA, approximately twice the level of Evening Primrose Oil.

Property	Typical Analysis	Method
Appearance	Clear, no sediment	Observation
Organoleptic	Neutral-Nutty, slight fatty	Sensory Evaluation
Color	Pale reddish-yellow	Observation
Moisture	≤1.0%	AOCS Ca 2e-84
Specific Gravity	0.915	AOCS Cc 10a-25 @ 20°C
Refractive Index	1.475	AOCS Cc 7-25 @ 20°C
Free Fatty Acid	≤5.0	AOCS Ca 5a-40, as % Oleic Acid
Peroxide Value	≤5.0	AOCS Cd 8-53 as meq/kg
Iodine Value	130 - 170	AOCS Cd 1d-92
Saponification Value	188 - 195	AOCS Cd 3-25

Typical Fatty Acid Profile (%) AOCS Ce 1e-91

C16:0	Palmitic	9 to 12
C18:0	Stearic	≤4
C18:1	Oleic	15 to 20
C18:2	Linoleic	30 to 40
C18:3	γ-Linolenic	19 to 22

Packaging and Storage: Store in a cool dry place (50 to 68 degrees F optimum) away from direct sources of sunlight, heat and oxidizers. Properly stored unopened containers have an expected shelf life of 18 months.

Item Number	Size	Container Description
120491	430 lb	Closed head food grade lined steel drum, 2" and ¾" (national coarse thread) opening in lid, no side bung.
105491	1000mg	Bulk gelatin capsules in boxes of 6000 each

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