

# Product - Specification

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Product / Trading-Name: **Borage oil pressed and refined min.20% GLA Ph. Eur. 11.0**

**Description:** Fatty oil obtained from the seeds of *Borago officinalis* L. by expression. It is then refined. It has a high content of gamma-linolenic acid.

Production:

The oil is prepared using materials and methods designed to ensure that the content of brassicasterol in the sterol fraction of the oil is not greater than 0,3%.

**Product No.:** 382022

**CAS No.:** 225234-12-8

**INCI Name:** Borago Officinalis Seed Oil

**Properties:** Clear, light yellow or yellow liquid. Practically insoluble in water and in thanol 96%, miscible with light petroleum.

Parameter	Method	Unit	Value
<b><u>Physical and Chemical Characteristics</u></b>			
acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 0,5
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 10,0
refractive index (20 °C)	Ph. Eur. [2.2.6]		ca. 1,476
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,921
unsaponifiable matter	Ph. Eur. [2.5.7]	%	max. 2,0
alkaline impurities	Ph. Eur. [2.4.19]		complies with
water	Ph. Eur. [2.5.32]	%	max. 0,1

### **Fatty Acid Composition (GC of FAMES)**

< C 16 saturated	Ph. Eur. [2.4.22]	%	max. 0,3
16:0 palmitic acid	Ph. Eur. [2.4.22]	%	9,0 - 12,0
16:1 palmitoleic acid	Ph. Eur. [2.4.22]	%	max. 0,6
18:0 stearic acid	Ph. Eur. [2.4.22]	%	2,0 - 6,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	12,0 - 22,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	30,0 - 41,0
18:3 alpha linolenic acid	Ph. Eur. [2.4.22]	%	max. 0,5
18:3 gamma linolenic acid	Ph. Eur. [2.4.22]	%	20,0 - 27,0
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 0,5
20:1 eicosenoic acid	Ph. Eur. [2.4.22]	%	2,8 - 4,4
22:1 erucic acid	Ph. Eur. [2.4.22]	%	max. 3,0
24:1 nervonic acid	Ph. Eur. [2.4.22]	%	max. 4,5

### **Storage:**

Keep in well closed, well filled containers or under inert gas, protect from light, cool and dry.

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