

**TECHNICAL DATA SHEET**

Effective date: 11.2020

**Organic Borage Oil, ECOCERT/COSMOS****INFORMATION ON SUBSTANCE / MIXTURE**

INCI	Borago officinalis seed oil
Botanical name	Borago officinalis L.
Manufacturing process	Obtained from the seeds of the Borago officinalis plant (cold-pressed) by mechanical procedure.
Part used	Seeds

**TECHNICAL DATA****Physical and chemical parameters**

Appearance	Clear liquid
Color	Yellow to green
Odor	Characteristic
Relative density at 20°C	[0.910 ; 0.925]
Refractive index at 20°C	[1.470 ; 1.480]
Peroxide value	≤ 15.0 meq O <sub>2</sub> /kg
Acid value	≤ 4.0 mg KOH/g
Free fatty acid (as oleic)	≤ 2.0 %
Iodine value	130.0 – 150.0
Saponification value	185 – 195
Unsaponifiable matter	≤ 1.5

**Chemical parameters**

<b>Fatty acid composition</b>	<b>%</b>
C16:0 Palmitic	4.0 – 12.0
C16:1 Palmitoleic	≤ 0.5
C18:0 Stearic	2.0 – 8.0
C18:1 Oleic	16.0 – 24.0
C18:2 Linoleic	35.0 – 45.0
C18:3 Alpha Linolenic	≤ 1.0
C18:3 Gamma Linolenic	≥ 19.0

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C20:0 Arachidic Acid	≤ 0.5
C20:1 Eicosenoic Acid	3.0 – 5.0
C22:1 Erucic Acid	2.0 – 3.0
C24:0 Lignoceric Acid	1.0 – 2.0

**Biological parameters**

Aerobic bacteria (TAMC)	≤ 1000 cfu/g
Yeast and molds	≤ 100 cfu/g
Escherichia coli	≤ 1.0 cfu/g
Staphylococcus aureus	≤ 1.0 cfu/g
Salmonella	Absent /25g

**LEGISLATION**

Certification	100% of the total ingredients are from Organic Farming. Certified as 100% organic by Ecocert Greenlife according to COSMOS standard.
CMR substances	This product is free from substances classified as carcinogenic, mutagenic or toxic for reproduction (CMR) of category 1A, 1B or 2 under Part 3 of Annex VI to Regulation (EC) No 1272/2008.
Nanomaterials	This product is not considered as a nanomaterial, and doesn't contain nanoparticles as defined by the European commission and as described in EU n°1223/2009 and 2012-232 (ANSES).
Animal testing	This product has not been tested on animals.
EINECS	-
CAS	225234-12-8

**TRANSPORT, STORAGE and SHELF LIFE**

Storage conditions	Light protected, not above room temperature. Once opened use immediately.
Shelf Life	24 months under good storage conditions.
Customs code	-

**DISCLAIMER**

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not



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hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.