



CERTIFICATE of ANALYSIS

Product: Borage Virgin Organic

INCI Name: Borago Officinalis Seed Oil

CAS No: 225234-12-8 EINECS No: -

Countries of Origin: Europe

Batch Code: 103979

Test	Specification	Result
Appearance	Clear oily Liquid	Conforms
Colour	Pale Yellowish	Conforms
Odour	Characteristic	Conforms
Specific Gravity at 20°C	0.910 - 0.925	0.922
Refractive Index at 20°C	1.470 - 1.480	1.475
Acid Value (mgKOH/g)	≤ 1.0	0.48
Peroxide Value (Meq/g)	≤ 5.0	8.30 at time of production
Free Fatty Acid % as Oleic	< 2.0	0.1
Saponification Value(mgKOH/g)	185.0 - 195.0	193.0
Iodine Value (mg/g)	125 - 160	139

Fatty Acid Profile (%)

C16:0 Palmitic Acid	8.0 - 13.0	9.7
C18:0 Stearic Acid	2.0 - 5.0	4.90
C18:1 Oleic Acid	10.0 - 30.0	18.40
C18:2 Linoleic Acid	34.0 - 46.0	37.40
C18:3 Gamma Linolenic Acid	> 18.0	19.80
C18:3 Alpha Linolenic Acid	≤ 1.0	0.10
C20:1 Eicosenoic Acid	1.0 - 5.0	4.10
C22:1 Docosanoic Acid	1.0 - 3.5	2.50

Manufacture Date: Apr 2017

Best Before: Apr 2019

Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air.

0800 0430 826

Naissance Trading, Unit 9 Milland Road Industrial Estate, Neath SA11 1NJ



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Expiry date must be considered as subjective; the expiry date given here is based on the best of our knowledge and experience of the material when stored under recommended conditions in original unopened containers.

Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour or consistency. However, we ensure that this does not affect the quality and efficiency of the products in any way.

We hereby certify that the above material meets the required specification and is released for free sale.