



**Technical Data Sheet**

**BIO Ingwer L.E. (11190)**  
**ORGANIC Ginger L.E. (11190)**

**PRODUCT INFORMATION**

Grade	Food / cosmetics
Product Type	Liquid Extract
Latin name	Zingiber officinale
Origin	Non-EU Agriculture
Part used	Rhizome
Production method	Cold pressing of the ginger roots (rhizome)
Carrier / Additives	None
INCI	ZINGIBER OFFICINALE ROOT EXTRACT
CAS	84696-15-1
EINECS	283-634-2
Declaration	Ginger Extract, Ginger aroma, nat. aroma
Organic Certification	DE-ÖKO-013

**ITEM SPECIFICATION**

Shape	Liquid
Colour	Dark yellow
Odor	Characteristic
Taste	Very hot
Density	0.920 - 0.950 g/cm <sup>3</sup>
Refraction index	1.475 - 1.485
Flashpoint	> 65 °C
Peroxide value	< 10 meq O <sub>2</sub> /kg
Acid value	< 4 mg KOH/g
Aflatoxin B1	According to EC Regulation 1881/2006
Total Aflatoxins (B1,B2,G1,G2)	According to EC Regulation 1881/2006

**AVERAGE COMPOSITION**

Palmitic acid C 16:0	3 - 10%
Palmitoleic acid C 16:1	< 1%
Stearic acid C 18:0	1 - 5 %
Oleic acid C 18:1	30 - 40 %
cis-Vaccenic C 18:1	< 1%
Linoleic acid C 18:2	50 - 60%
Alpha-linolenic acid C 18:3	0.1 - 1%
Arachidic acid C 20:0	0.1 - 1%
Eicosenoic acid C 20:1	0.1 - 1%
Behenic acid C 22:0	0.1 - 1%
Lignoceric acid C 24:0	0.1 - 1%

**SPECIAL INGREDIENTS**

Citral CAS: 141-27-5, EC: 205-476-5	~ 400 mg/kg
Benzyl Alcohol CAS: 100-51-6, EC: 202-859-9	~ 280 mg/kg
Linalool CAS: 78-70-6, EC: 201-134-4	~ 410 mg/kg
Geraniol CAS: 106-24-1, EC: 203-377-1	~ 34 mg/kg
Limonene CAS: 138-86-3, EC: 205-341-0/931-893-3	~ 320 mg/kg



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### STATEMENTS

Food Quality and Safety	According to Reg. (EC) 178/2002: With reference to point 4 of Art. 14 of EU Directive 178/2002, this product is intended to be used as a part of a larger flavoring compound. This product should not be consumed independently. The final user should decide the suitability and concentration of this product appropriate for its specific use.
Organic production	According to Reg. (EC) 2018/848
Sterility	Free of Candida albicans, Staphylococcus aureus and Pseudomonas aeruginosa bacteria
Aflatoxins	According to Reg. (EC) 1881/2006
PAH	According to Reg. (EC) 1881/2006
Pesticides	According to Reg. (EC) 396/2005 and BNN-assessment values
GMO	GMO Free According to Reg. (EC) 1829/2003 and 1830/2003 and amendments
ETO	ETO is not used in the production, analytical data are currently not available
Vegan	Conform
Animal protection	No animal testing will be undertaken at present and in future
CMR	The product does not contain any CMRs (carcinogenic, mutagenic and reproductive toxins). No CMRs were used in its preparation or during the manufacturing of the oil.
Irradiation	No ionization or other radiation is permitted According to Reg. (EC) 1999/2 and 1999/3 and amendments
BSE/TSE	Risk Free BSE/TSE
Allergen free	According to Reg. (EC) 1169/2011
Cosmetic Allergens list	Available on request
Nanomaterials	Absent According to Reg. (EC) 1169/2011
Parabens	Free of parabens
Hexane / Acetone	Not detectable
Packaging	According to Reg. (EC) 1935/2004 and 10/2011 and amendments

### STORAGE AND HANDLING

Storage	Store in a cool and dry place in unopened original packaging, or in a stainless steel tank at max. Store at 15 ° C, preferably under nitrogen blanket.
Shelf Life	Unopened at least 16 months from date of delivery because sealed with nitrogen

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