

[Jump to Website](#)

[Request Quote](#)

## Product Specifications

### Ethyl $\alpha$ -Linolenate

CAS 1191-41-9

Syn: *alpha*-Linolenic Acid, Ethyl Ester; EALA  
Ethyl (Z,Z,Z)-9,12,15-Octadecatrienoate

Structure:



Mol. Formula

C<sub>20</sub>H<sub>34</sub>O<sub>2</sub>

Mol. Wt.

306.48

Source of  $\alpha$ -Linolenic Acid: *Perilla frutescens* (L.) Britton

*Test*

*Specification*

#### ORGANOLEPTIC

Appearance / Form

Clear, yellow oily liquid

Taste & Odor

Characteristic

#### PHYSICAL CHARACTERISTICS

Identification

GC - MS

Ash Content

< 0.1% max.

Lead

< 1.0 ppm

Arsenic

< 1.0 ppm

Mercury

< 1.0 ppm

Excipients

None

Natural or artificial coloring added

None

#### CHEMISTRY (ASSAY)

Ethyl  $\alpha$ -Linolenate content

80%

balance

$\leq$  1% n-C<sub>15</sub>H<sub>31</sub>CO<sub>2</sub>Et, n-C<sub>17</sub>H<sub>35</sub>CO<sub>2</sub>Et

~ 4% Ethyl Oleate

~ 14 % Ethyl Linoleate

Ethyl  $\beta$ - and  $\gamma$ -Linolenic Acid: none detected

-cont'd-

- cont'd -

<i>Test</i>	<i>Specification</i>	<i>Results</i>
<b>Methodology</b>	glpc	
<b>Acid Value</b> (for 80% EALA)	4.68 mg KOH/g	
<b>Peroxide No.</b> (for 80% EALA)	≤ 0.06 %	
<b>Microbiological Specification</b>		
Total Aerobic (CFU/g) (USP25)	< 10 cfu/g	
<i>E. Coli</i> (USP25)	Negative	
<i>Salmonella</i> (USP25)	Negative	
<i>Pseudomonas</i> (USP25)	Negative	
<i>Staphylococcus</i> (USP25)	Negative	
Mold and Yeast (CFU/g) (USP25)	< 100 cfu/g	

**PACKAGING:** As required or requested

**STORAGE:** Maintain in sealed container under cool (~4 °C), dry, dark conditions.

**SHELF-LIFE:** > 2 yr when properly stored