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## Product Specifications

### **$\alpha$ -Linolenic Acid (*all-natural*)**

**CAS** 463-40-1

**Syn:** *alpha*-Linolenic Acid, ALA; (Z,Z,Z)-9,12,15-Octadecatrienoic Acid

**Structure:**



**Mol. Formula**  
**Source**

**C<sub>18</sub>H<sub>30</sub>O<sub>2</sub>**  
*Perilla frutescens* (L.) Britton

**Mol. Wt.**

278.44

*Test*

*Specification*

#### ORGANOLEPTIC

**Appearance / Form** Light-yellow oily liquid  
**Taste & Odor** Characteristic

#### PHYSICAL CHARACTERISTICS

**Identification** GLCP, Infra-red  
**Ash Content** < 0.2% max.  
**Lead** < 1.0 ppm  
**Arsenic** < 1.0 ppm  
**Mercury** < 1.0 ppm  
**Excipients** None  
**Natural or artificial coloring added** None

- cont'd -

- cont'd -

<i>Test</i>	<i>Specification</i>
<b>CHEMISTRY (ASSAY)</b>	
<b>Ethyl <math>\alpha</math>-Linolenate content</b>	Available in $\alpha$ -Linolenic Acid assays of > 50, > 60, > 70, >80, > 90, >98%, with the balance consisting of Ethyl Linoleate
<b>Total PUFA's content</b>	$\geq$ 99%
<b>Methodology</b>	glpc
<b>Microbiological</b>	
Total Plate Count	< 10 cfu/g
<i>E. Coli</i>	Negative
<i>Salmonella</i>	Negative
<i>Pseudomonas</i>	Negative
<i>Staphylococcus</i>	Negative
<b>Mold and Yeast</b>	< 100 cfu/g
<b>PACKAGING:</b>	As required or requested
<b>STORAGE:</b>	Maintain in sealed container under Nitrogen in a cool, dry, dark containment.