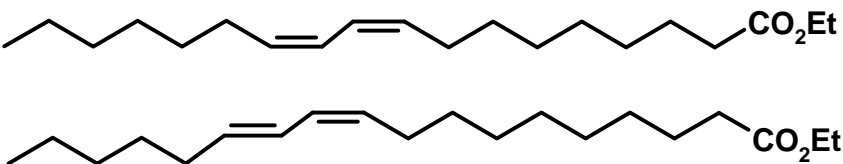


Certificate of Analysis

Product Name	Ethyl Esters (Mixed) of (Z,Z)-9,11-Octadecadienoic Acid + (Z,E)-10,12-Octadecadienoic Acid
<i>syn:</i>	Ethyl (9Z,11Z)-9,11-Octadecadienoate + Ethyl (10Z,12E)-10,12-Octadecadienoate
CAS No. Structure	N/A 
Mol. Formula	C₂₀H₃₆O₂
Mol. Weight	308.50
Source	Mixed (Z,Z)-9,11-Octadecadienoic Acid + (Z,E)-9,11-Octadecadienoic Acid derived from Perila Oil

<i>Test</i>	<i>Specification</i>
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Appearance	Clear, pale yellow oily liquid
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Identity	IR
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Assay (by glpc, %-area)

C_{cis, cis-9,11 + cis,trans-10,12}	≥ 97%
C_{cis-18:1}	< 0.4%
C_{cis,cis-18:1}	1.2 – 1.5%

n_D^{20}	1.469
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d^{20}	0.911 g/mL
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Heavy Metals	< 10 ppm
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- cont'd -

- cont'd -

<i>Test</i>	<i>Specification</i>
Iodine value	> 155 g / 100 g
Acid value	< 0.2 mg KOH/g
Saponification value	199.8
Unsaponifiable matter	< 0.5%
Pesticides	EP

Packaged: 20 Kg (net) PVDF drum, purged with and sealed under nitrogen

Storage: Maintain in a cool environment, tightly sealed under nitrogen and in the in absence of light.

Shelf Life: One year in the original unopened container when stored as described above.

Antioxidants: No added antioxidants