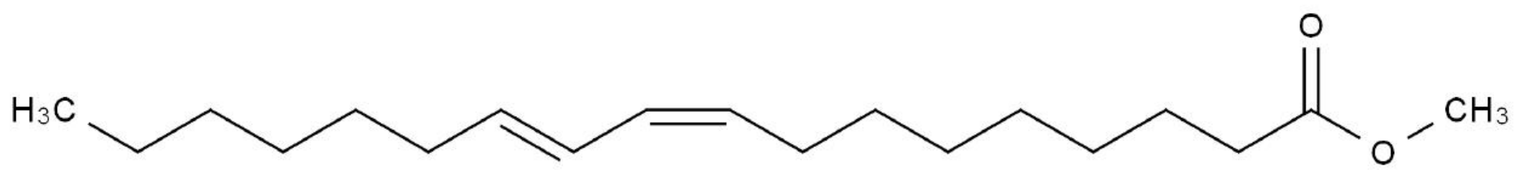
Certificate of Analysis

Reference Material & Standard

Product Name:	(9Z,11E)-Methyl Ester 9,11-Octadecadienoate	**Catalogue Number:**	CCFD201064
Synonyms:	N/A	**Lot Number:**	0823-RE-0009
CAS Number:	13058-52-1	**Expiry Date:**	Nov 27, 2026
Molecular Formula:	C19H34O2	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	294.47		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Clear Colourless Oil
Identification	LCMS&HNMR	Confirmed
Purity	GC	96.0%
Uncertainty		±2.0%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

CATO Research Chemicals Inc.

Signature:

Prepared by: Lisa Date: Aug 23, 2023

Reviewed by: Hinlam Date: Aug 24, 2023

Aporoved by General Manager: David Date: Aug 24, 2023

CATO Research Chemicals Inc.