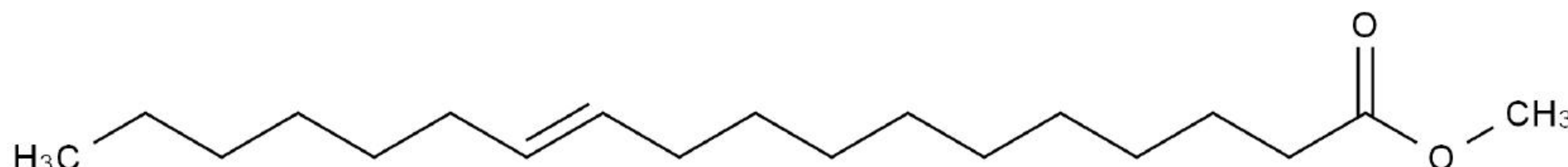


Certificate of Analysis

Reference Material & Standard

Product Name:	Methyl Trans-11-Octadecenoate	Catalogue Number:	CCFD200419
Synonyms:	N/A	Lot Number:	0909-RF-0034
CAS Number:	6198-58-9	Expiry Date:	Sep 12, 2027
Molecular Formula:	C19H36O2	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	296.49	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	96.3%
Assay	qNMR	93.2%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
2. 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.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Sep 13, 2024

Date: Sep 14, 2024

Date: Sep 14, 2024

