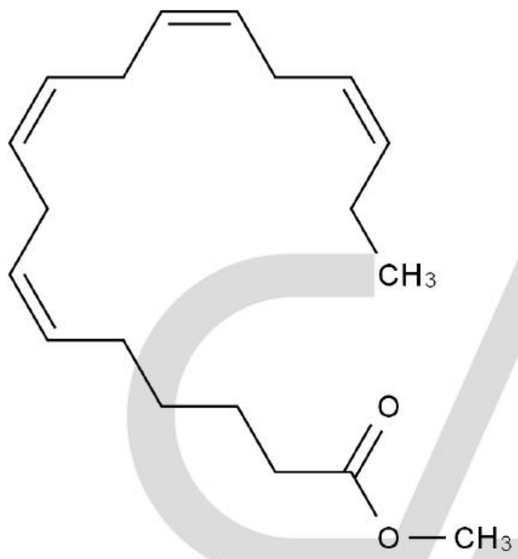
# Certificate of Analysis

## Reference Material & Standard

| | | | |
|---|---|---|---|
| **Product Name:** | Methyl Stearidonate | **Catalogue Number:** | C4X-280615 |
| **Synonyms:** | N/A | **Lot Number:** | 1122-RH-0103 |
| **CAS Number:** | 73097-00-4 | **Expiry Date:** | Nov 22, 2030 |
| **Molecular Formula:** | $C_{19}H_{30}O_2$ | **Storage:** | -80°C±5°C Protected from light and Sealed |
| **Molecular Weight:** | 290.44 | **Shipping Condition:** | Shipping with Dry Ice |

**Chemical Structure:**




| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | Yellow Oil |
| **Identification** | HRMS&IR&UV&HNMR | Confirmed |
| **Purity** | HPLC | 95.597% |
| **Water Content** | Karl Fischer | 0.05% |
| **Residual Solvents** | NMR | Not detected in NMR |
| **Assay** | Mass Balance | 95.5% |

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## Comment:

*The calculation of the mass balance method follows the formula (calculated on the non-dried basis):*
*Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) /100%*
*Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.*

**Signature:**

Prepared by: Date: Nov 24, 2026

Reviewed by: Date: Nov 24, 2026

Approved by General Manager: Date: Nov 24, 2026

CATO Research Chemicals Inc.