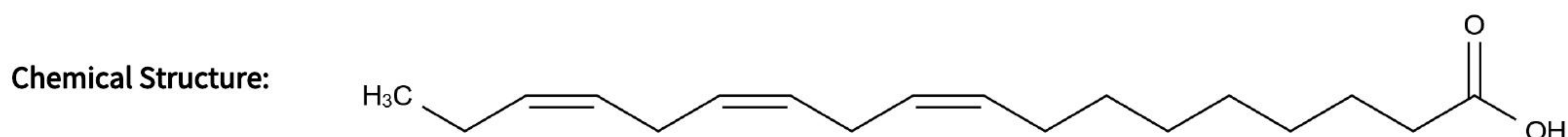


# Certificate of Analysis

## Reference Material & Standard

|                    |                                             |                     |                                           |
|--------------------|---------------------------------------------|---------------------|-------------------------------------------|
| Product Name:      | $\alpha$ -Linolenic acid                    | Catalogue Number:   | C4X-2961                                  |
| Synonyms:          | (9Z,12Z,15Z)-octadeca-9,12,15-trienoic acid | Lot Number:         | 1223-RG-0096                              |
| CAS Number:        | 463-40-1                                    | Expiry Date:        | Dec 24, 2029                              |
| Molecular Formula: | $C_{18}H_{30}O_2$                           | Storage:            | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 278.43                                      | Shipping Condition: | Shipping at Room Temperature              |
| Solubility:        | Acetonitrile                                |                     |                                           |



| Test Items          | Method            | Results           |
|---------------------|-------------------|-------------------|
| Appearance          | Visual inspection | Colourless Liquid |
| Identification      | LCMS&HNMR         | Confirmed         |
| Purity              | HPLC              | 100.000%          |
| Residue on Ignition | TGA               | 0.2218%           |
| Loss On Drying      | TGA               | 0.2388%           |
| Assay               |                   | 99.5%             |

## Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Residue on Ignition - Loss On Drying) \* Purity HPLC (%) / 100%

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

## Signature:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Dec 25, 2025

Date: Dec 25, 2025

Date: Dec 25, 2025



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