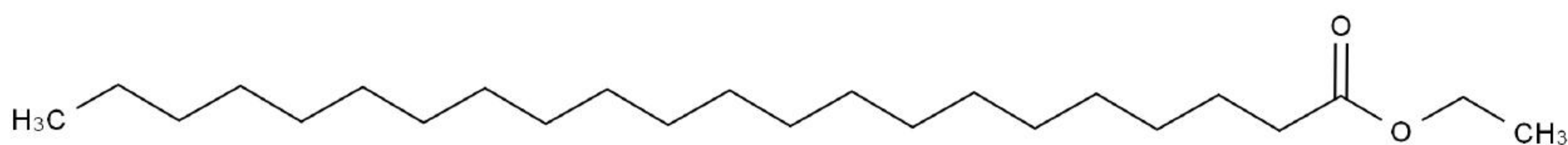


Certificate of Analysis

Reference Material & Standard

Product Name:	Docosanoic Acid Ethyl Ester	Catalogue Number:	CCFD200112
Synonyms:	N/A	Lot Number:	0530-RE-0012
CAS Number:	5908-87-2	Expiry Date:	May 31, 2027
Molecular Formula:	C ₂₄ H ₄₈ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	368.64	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	GCMS&IR&UV&HNMR	Confirmed
Purity	GC	99.291%
Loss on Drying	TGA	0.1087%
Assay		99.2%
Uncertainty		±0.2%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity GC (\%)} / 100\%$$

Loss on Drying is considered as absolute effect, GC purity is considered as relative effect.
- 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: Apr 24, 2026

Date: Apr 24, 2026

Date: Apr 24, 2026



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