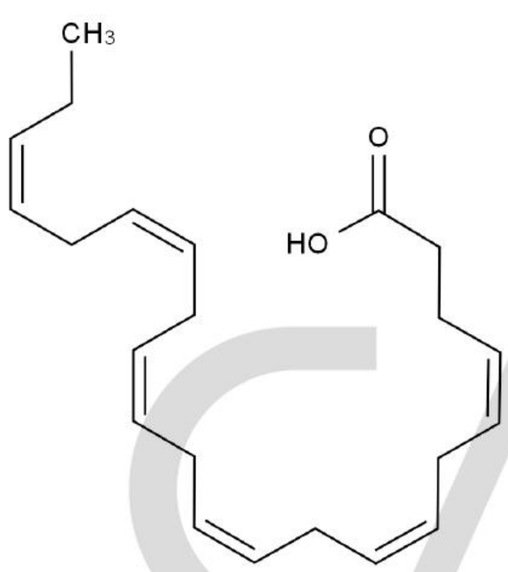
Certificate of Analysis

Reference Material & Standard

Product Name:	cis-4,7,10,13,16,19-Docosahexaenoic Acid	**Catalogue Number:**	CCFD200495
Synonyms:	N/A	**Lot Number:**	0303-RG-0114
CAS Number:	6217-54-5	**Expiry Date:**	Mar 02, 2028
Molecular Formula:	C22H32O2	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	328.49		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	99.547%
Loss On Drying	TGA	0.3447%
Assay		99.2%
Uncertainty		±2.0%

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Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss On Drying) * Purity GC (%) /100%*
Loss On Drying is considered as absolute effect, GC purity is considered as relative effect.
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: Lisa Date: Mar 03, 2025

Reviewed by: Hinlam Date: Mar 04, 2025

Approved by General Manager: David Date: Mar 04, 2025

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