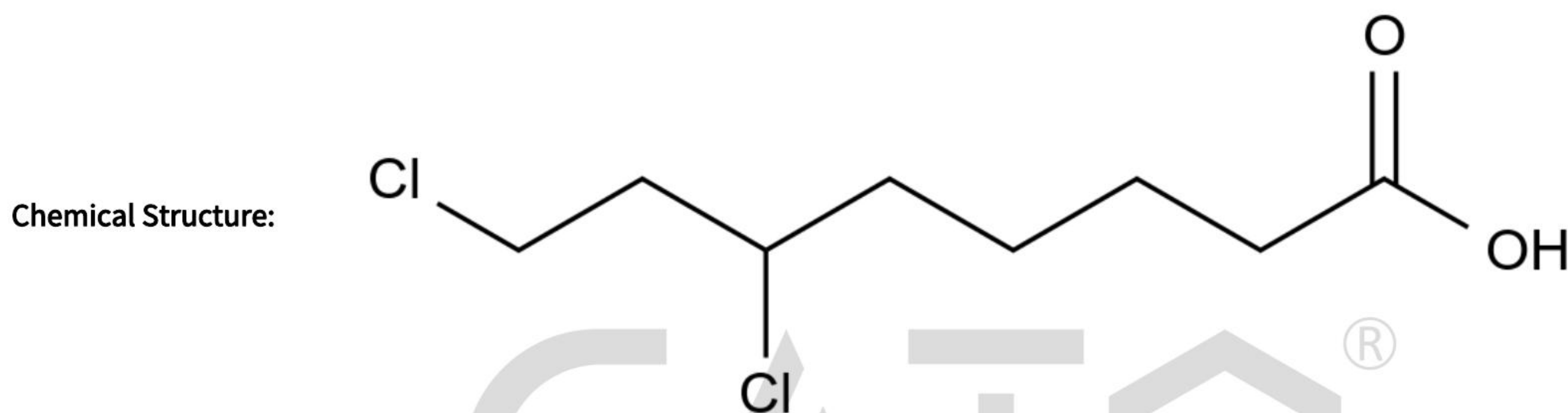


Certificate of Analysis

Reference Material

Product Name:	Thioctic Acid Impurity N8	Catalogue Number:	CP136487
Chemical Name:	N/A	Lot Number:	0920-RD-0046
CAS Number:	41443-60-1	Expiry Date:	Sep 20, 2025
Molecular Formula:	C ₈ H ₁₄ Cl ₂ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	213.10		



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.8222%
Loss On Drying	TGA	0.3109%
Assay		99.5%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Debia

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Sep 21, 2022

Date: Sep 21, 2022

Date: Sep 21, 2022

