

Certificate of Analysis

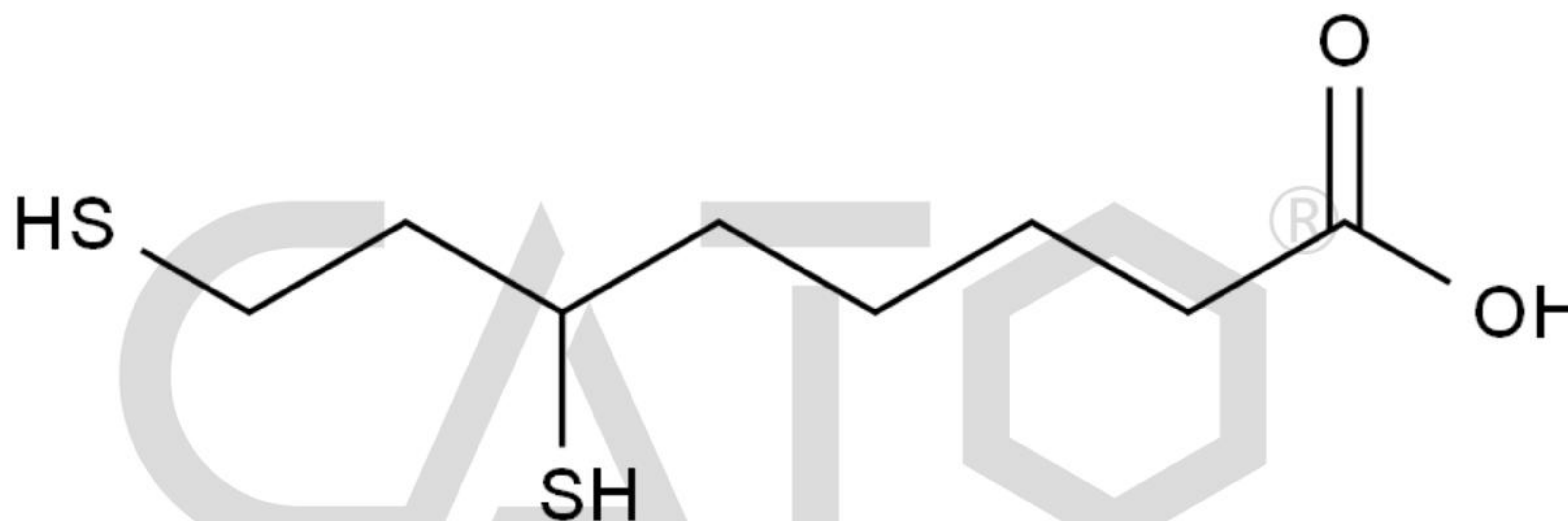
Reference Material & Standard

Product Name:	Thioctic Acid EP Impurity B	Catalogue Number:	C4X-15261
Synonyms:	N/A	Lot Number:	1128-RG-0090
CAS Number:	462-20-4	Expiry Date:	Dec 01, 2029
Molecular Formula:	C ₈ H ₁₆ O ₂ S ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	208.34	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&CNMR&HNMR	Confirmed
Purity	GC	96.963%
Loss on Drying	TGA	0.3694%
Assay		96.6%

Comment:

The calculation of the mass balance 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.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Dec 02, 2025

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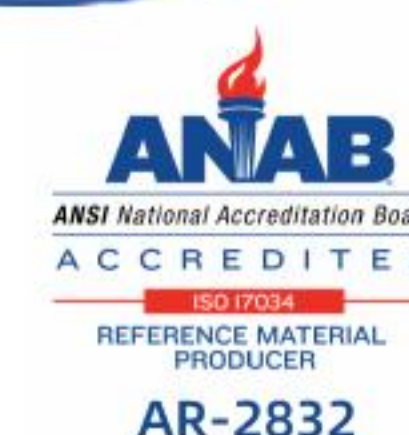
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