Certificate of Analysis

Reference Material & Standard

Product Name:	Thioctic acid Impurity 2	**Catalogue Number:**	C4X-15262
Synonyms:	N/A	**Lot Number:**	1205-RG-0041
CAS Number:	108015-78-7	**Expiry Date:**	Dec 04, 2029
Molecular Formula:	$C_8H_{14}O_3S_2$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	222.32	**Shipping Condition:**	Shipping with Ice Packs
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	96.58%
Residue on Ignition	TGA	0.4985%
Loss on Drying	TGA	0.0877%
Assay	Mass Balance	96.0%

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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: Alice — Date: Oct 23, 2026

Reviewed by: Koi — Date: Oct 23, 2026

Approved by General Manager: David — Date: Oct 23, 2026

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