

Certificate of Analysis

Reference Material & Standard

Product Name:	(S)- α -Lipoic Acid	Catalogue Number:	C4X-152621
Synonyms:	N/A	Lot Number:	0730-RH-0007
CAS Number:	1077-27-6	Expiry Date:	Jul 29, 2028
Molecular Formula:	C ₈ H ₁₄ O ₂ S ₂	Storage:	-20°C $\pm$ 5°C Protected from light and Sealed
Molecular Weight:	206.33	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	100.000%
Loss on Drying	TGA	0.2089%
Assay		99.8%

Comment:

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

Assay (%) = (100% - Loss on Drying) * Purity ELSD (%) / 100%

Loss on Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

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Approved by General Manager:

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Date: Jul 30, 2026

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