Certificate of Analysis

Reference Material & Standard

Product Name:	(R)-α-Lipoic Acid	**Catalogue Number:**	C4X-15265
Synonyms:	N/A	**Lot Number:**	0928-RH-0034
CAS Number:	1200-22-2	**Expiry Date:**	Oct 07, 2030
Molecular Formula:	$C_8H_{14}O_2S_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	206.33	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	ELSD	100.000%
Loss on Drying	TGA	0.0536%
Assay	Mass Balance	99.9%

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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:

Prepared by: Alice Date: Oct 08, 2026

Reviewed by: Koi Date: Oct 08, 2026

Approved by General Manager: David Date: Oct 08, 2026

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