Certificate of Analysis

Reference Material & Standard

Product Name:	Thioctic Acid EP Impurity A	**Catalogue Number:**	C4X-15182
Synonyms:	N/A	**Lot Number:**	0408-RH-0051
CAS Number:	1204245-29-3	**Expiry Date:**	Apr 06, 2030
Molecular Formula:	$C_8H_{14}O_2S_3$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	238.39	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	GCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.210%
Residue on Ignition	TGA	0.2534%
Loss on Drying	TGA	0.3166%
Assay	Mass Balance	98.6%

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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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