

Certificate of Analysis

Product Name: Alpha Lipoic Acid		Batch No.: 3F240609
Mfg. Date: 09/06/2024		Test Date: 10/06/2024
Expiry Date: 08/06/2026		Report Date: 25/06/2024
Test items	Specifications	Results
CHARACTERS		
Appearance	Yellow crystalline powder.	This product is yellow crystalline powder.
IDENTIFICATION		
HPLC	Should meet the requirements	Complies
IR	Should meet the requirements	Complies
IMPURITIES		
Residue on ignition	Less than 0.1%	<0.1%
Related substances	Individual impurities: NMT 0.1%	0.03%
	Total impurities: NMT 2.0%	0.071%
SPECIFIC TESTS		
Melting point	60°C~62°C	61.0°C~61.5°C
Loss on drying	NMT 0.2%	0.05%
Heavy metals	10 ppm max	Complies
Residual solvent	Ethyl acetate ≤ 0.5%	ND
	Cyclohexane ≤ 0.388%	0.0316%
	Toluene ≤ 0.089%	ND
ASSAY		
Assay	99.0 % ~ 101.0 % (calculated on the dried basis)	100.2%
Conclusion: The results conform to USP 43.		