

Certificate Of Analysis

Product Name: Lipoic Acid		Batch No: BF220901
Quantity: 560.22 k g		Specification: 25kg/drum
Mfg.Date: 01/09/2023		Test Date: 11/09/2023
Expiry Date: 31/08/2025		Report Date: 31/09/2023
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%	0.05%
Related substances	Individual impurities: NMT 0.1%	0.04%
	Total impurities: NMT 2.0%	0.06%
Limit of polymer content	Should meet the requirements	Complies
SPECIFIC TESTS		
Melting point	60°C~62°C	61.0°C~61.4°C
Specific rotation	-1.0°to +1.0°	0°
Loss on drying	NMT 0.2%	0.07%
Residual solvent	Ethyl acetate ≤ 0.5%	ND
	Cyclohexane ≤ 0.388%	0.176%
	Toluene ≤ 0.089%	ND
ASSAY		
Assay	99.0 % ~ 101.0 % (calculated on the dried basis)	99.2%
Conclusion: The results conform to USP 43.		