

Certificate of Analysis

Product Name: **Alpha Lipoic Acid** Specification: **IN HOUSE**
Batch No.: **TR20250314** Quantity: **10,000 KGS**
Production Date: **Mar 14-2025** Expiry Date: **Mar 14-2027**

Items	Unit	Standard	Results
Appearance	-	Yellow crystalline powder.	This product is yellow crystalline powder.
HPLC	-	Should meet the requirements	Complies
IR	-	Should meet the requirements	Complies
Residue on ignition	%	Less than 0.1%	<0.1%
Related substances	%	Individual impurities: NMT 0.1%	0.0009
Related substances	%	Total impurities: NMT 2.0%	0.0011
Melting point	°C	60°C~62°C	61.0°C~61.5°C
Loss on drying	%	NMT 0.2%	0.001
Heavy metals	ppm	10 ppm max	Complies
Residual solvent	%	Ethyl acetate ≤ 0.5%	ND
Residual solvent	%	Cyclohexane ≤ 0.388%	0.00168
Residual solvent	%	Toluene ≤ 0.089%	ND
Assay	%	99.0 % ~ 101.0 % (calculated on the dried basis)	0.999
Particle Size	%	NLT 90% thru 80 mesh NLT 98% thru 60 mesh	conform

CONCLUSION: The results conform to USP 45.

PACKING: 25 KGS/DRUM

STORAGE: Stored in a cool,dry environment,strictly prohibited storing and shipping with harmful toxic



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