

CERTIFICATE OF ANALYSIS

NO:241497

Product Name: Alpha Lipoic Acid	Batch No.: TA.2407012
Manu.Date: JUL,01,2024	Expiry Date: JUN,30,2026
Country of Origin: China	Quantity: 1500kgs
Seal and store away from light, at room temperature, better under 25 °C.	

Items	Specifications	Results
Appearance	Slightly yellow crystal powder	Conforms
Identification	IR-Spectroscopy	Conforms
	Liquid chromatography	Conforms
Melting Point	60.0-62.0°C	61.8°C
Specific rotation	-1.0° to +1.0°	0°
Loss on drying	0.2% max	0.09%
Residue on Ignition	0.1% max	0.02%
Heavy Metals	10ppm max	Conforms
Lead	3ppm max	<3ppm
Arsenic	1ppm max	<1ppm
Cadmium	1ppm max	<1ppm
Mercury	0.1ppm max	<0.1ppm
Chromatographic purity	Individual Impurities	0.1% max
	Total Impurities	2.0% max
	Chromatographic purity(TLC)	Conforms
Residual Solvents	Cyclohexane	3880ppm max
	Ethyl Acetate	5000ppm max
Total aerobes count	1000 cfu/g max	<10 cfu/g
Moulds and Yeasts	100 cfu/g max	<10 cfu/g
E.coli	Absence/g	Not Detectable
Staphylococcus aureus	Absence/g	Not Detectable
Salmonella	Absence/g	Not Detectable
Particle Size	100% through 40 mesh	Conforms
Loose Bulk Density		40g/ml
Assay (dried basis)	99.0%-101.0%	99.0%
Conclusion	Conforms	

Reporter: 瞿元林

Reviewer: 胡强

Approval: 407

