



CERTIFICATE OF ANALYSIS

250591

Product Name: R-Alpha Lipoic Acid	Batch No.: RALA.2411201
Manu.Date: NOV.20,2024	Expiry Date: NOV.19,2026
Country of Origin: China	Quantity: 10kgs
KEEP IT BELOW 25℃, DO NOT BE INSOLATED .	

Items		Specifications	Results
Description		A pale yellow crystal with a characteristic odor,tasteless	Conforms
Identification		Meets the requirements	Conforms
Melting point		48~51℃	48.2-50.7℃
Specific optical Rotation(C=1,Ethanol)		+115° ~+125°	+120.8°
Loss on drying		0.5% Max.	0.1%
Residue on ignition		0.1% Max.	0.02%
Residual Solvents	Cyclohexane	0.388% Max.	0.114%
	Ethyl Acetate	0.500% Max	0.026%
	Toluene	0.089% Max	0.012%
Heavy metals		10 ppm Max.	<10 ppm
Lead		2 ppm Max.	<2 ppm
Arsenic		1 ppm Max	<1ppm
Cadmium		1 ppm Max.	<1ppm
Mercury		0.1 ppm Max.	<0.1 ppm
Total Plate Count		1,000 cfu/g Max.	<10cfu/g
Moulds and Yeasts		100 cfu/g Max.	<10cfu/g
Escherichia coli		Negative/g	Negative
Salmonella		Negative/10g	Negative
Particle Size		100% through 40 mesh	Conforms
Loose Bulk Density		0.25~0.35 g/ml	0.30g/ml
Assay		99.0% Min.	99.1%

Quality Control Dept.

Checker: 邢健

Analyst: 庞赛健

