

CERTIFICATE OF ANALYSIS

Product Name	Alpha Lipoic Acid	Specification	Company Standard
Cas No.	1077-28-7	Manufacture Date	2024.7.10
Quantity	120KG	Analysis Date	2024.7.16
Batch No.	ES-240710	Expiry Date	2026.7.9
Items	Specifications	Results	
Appearance	Light Yellow Powder	Conforms	
Assay	99.0%-101.0%	99.6%	
Melting Point	60°C-62°C	61.8°C	
Specific Rotation	-1.0° to +1.0°	0°	
Loss on drying	≤0.2%	0.18%	
Residue on Ignition	≤0.1%	0.03%	
Bulk Density	0.3-0.5g/ml	0.36g/ml	
Particle Size	95% pass 80 mesh	Conforms	
Heavy Metals	≤10.0ppm	Conforms	
Pb	≤1.0 ppm	Conforms	
As	≤1.0 ppm	Conforms	
Cd	≤1.0ppm	Conforms	
Hg	≤0.1 ppm	Conforms	
Total Plate Count	≤1000cfu/g	Conforms	
Yeast & Mold	≤100cfu/g	Conforms	
E.coli	Negative	Negative	
Salmonella	Negative	Negative	
Staphylococcus	Negative	Negative	
Conclusion	This sample meets the specifications.		

Conclusion: Approved

Tested by: Zhang Xiaoxuan

