



SPECIFICATIONS SHEET

Product Name: Alpha Lipoic Acid	Batch No.:
Manu.Date:	Expiry Date:
Country of Origin: China	Quantity:
Alpha Lipoic Acid must be stored below 25°C, protected from light.	

Items	Specifications	
Appearance	Slightly yellow crystal powder	
Identification	IR-Spectroscopy	
	Liquid chromatography	
Melting Point	60.0~62.0°C	
Specific rotation	-1.0° to +1.0°	
Loss on drying	0.2% max	
Residue on Ignition	0.1% max	
Heavy Metals	10ppm max	
Lead	3ppm max	
Arsenic	1ppm max	
Cadmium	1ppm max	
Mercury	0.1ppm max	
Chromatographic purity	Individual Impurities	0.1% max
	Total Impurities	2.0% max
	Chromatographic purity(TLC)	Conforms
Residual Solvents	Cyclohexane	3880ppm max
	Ethyl Acetate	500ppm max
	Toluene	20ppm max
Total aerobes counts	1000 cfu/g max	
Moulds and Yeasts	100 cfu/g max	
E.coli	Absence/g	
Staphylococcus aureus	Absence/g	
Salmonella	Absence/g	
Particle Size	100% through 40 mesh	
Loose Bulk Density	N/A(just report)	
Assay (dried basis)	99.0%~101.0%	
Conclusion	Conformed current USP	

2023/7/27