



## Product Specification

**Product:** Alpha Lipoic Acid Granular

**Product standard:** USP

Items	Specifications	Testing Method
Description	Slightly yellow granular	Organoleptic
Identification	Meets the requirement	HPLC
Assay	99.0% ~ 101.0%	HPLC
Melting Point	60 ~ 62°C	USP
Specific rotation	-1.0° ~ +1.0°	USP
Loss on drying	0.2% max	USP
Residue on ignition	0.1% max	USP
Particle Size	100% through 20 mesh	USP
Chromatographic Purity		
Single Impurity	0.1% max	USP
Total Impurities	2.0% max	
Limit of polymer content	Conforms	
Residual Solvent		
Cyclohexane	1000 ppm max	GC
Ethyl Acetate	250 ppm max	
Toluene	20 ppm max	
Bulk Density	0.5g/ml min	USP
Heavy Metals	10ppm max	ICP-MASS
Arsenic	<1ppm	ICP-MASS
Lead	<3ppm	ICP-MASS
Cadmium	<1ppm	ICP-MASS
Mercury	<0.1ppm	ICP-MASS
Total Plate Count	1000CFU/g max	USP
Yeast and Mold	100CFU/g max	USP
E. Coli	Negative in 1g	USP
S. Aureus	Negative in 1g	USP
Salmonella	Negative in 10g	USP
Shelf life	2 years when properly stored.	
Storage	Stored in cool and dry place, keep away from direct strong light and heat.	
Package	Packed In Two Layers Of Plastic Bag In Fiber Drum,25kg Per Drum	