



Product Specification

Product: R-Alpha Lipoic Acid

Product standard: USP

Items	Specifications	Testing Method
Description	A pale yellow crystal with a characteristic odor, tasteless	Organoleptic
Solubility	Very slightly soluble in water, very soluble in dimethylformamide, freely soluble in methanol	/
Identification	Meets the requirement	HPLC
Assay	99.0% min	HPLC
Melting Point	48 ~ 51°C	USP
Specific rotation	+110.0°~ +120.0°	USP
Loss on drying	0.5% max	USP
Residue on ignition	0.1% max	USP
Particle Size	100% through 40 mesh	USP
Cyclohexane	0.388% max	USP
Bulk Density	0.25 ~ 0.35g/ml	USP
Heavy Metals	10ppm max	USP
Arsenic	<1ppm	ICP-MASS
Lead	<2ppm	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
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	