



## AnMar International Ltd.

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### SPECIFICATION SHEET Alpha Lipoic Acid, USP

Item Code: 125

Country of Origin: China

Updated: August 2012

#### TEST ITEMS

#### SPECIFICATIONS

#### TEST METHODS

Description	Yellowish crystalline powder	Visual
Identification (HPLC)	To meet USP requirements	USP Monograph
Melting point	60 - 62°C	USP32<741>
Solubility (1N NaOH)	Clear and pale yellow	/
Residue on Ignition	≤0.1%	USP32<281>
Heavy Metals	≤10 ppm	USP32 Method II<231>
Chloride	≤0.07%	USP Monograph
Loss on Drying	≤0.2%	USP32<731>
Assay (HPLC)	99.0% - 101.0%	USP Monograph
Specific Optical Rotation	-1° to +1°	USP32<781S>
Related Substances (HPLC):		
Single Impurity	≤0.1%	/
6, 8-Epitrithiooctanoic Acid	≤0.1%	USP Monograph
Total Impurities	≤0.5%	USP Monograph
Polymers (TLC)	≤2.0%	USP Monograph
Residual Solvents (GC):		
Toluene	≤30 ppm	USP32<467>
Ethanol	≤2,000 ppm	USP32<467>
Cyclohexane	≤2,000 ppm	USP32<467>
Microbiology:		
Total aerobic plate count	≤1,000 cfu/g	USP32<61>
Yeast & Mold	≤100 cfu/g	USP32<61>
E. coli	Negative	USP32<61>
Salmonella	Negative	

Conclusion: Meets USP32 requirements

Shelf Life: 2 years

Storage: Store in a well-closed container in a dry place, in ambient temperatures, away from strong light and heat.

Packing: In drums of 25 kgs

- Kosher certified



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