

Alpha Lipoic Acid USP Powder

Product Characteristics

Scientific name	Thioctic acid
Appearance	Yellowish crystalline powder
Country of origin	China

Profile

Specification

Identification	Meets requirement
Melting point	60 - 62° C
Residue on ignition	≤ 0.10%
Heavy metals	≤ 10 ppm
Lead	≤ 0.5 ppm
Arsenic	≤ 3 ppm
Cadmium	≤ 1 ppm
Mercury	≤ 0.1 ppm
Loss on drying	≤ 0.20%
Specific rotation	-1° to +1°
Particle analysis	≥ 100% through 20 mesh ≥ 80% through 80 mesh
Assay	99.0 – 101.0%
Related substances A	
Individual impurities	≤ 0.1%
Total impurities	≤ 2.0%
Related Substances B	Meets USP
Residual solvents	
Toluene	≤ 30 ppm
Cyclohexane	≤ 2000ppm
Total aerobic plate count	≤ 1000 CFU/g
Yeast and mold	≤ 100 CFU/g
Staphylococcus aureus	≤ 10 CFU/g
Salmonella	Negative
E. coli	Negative

Storage

Store in tight containers, protected from light, moisture and heat.

Revision: 12/20/17