

Alpha Lipoic Acid USP Powder

Product Characteristics

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

Physical Profile

Specification

Identification	Meets requirement
Melting point	60 - 62° C
Solubility	Clear and pale yellow
Residue on ignition	≤ 0.10%
Heavy metals	≤ 10 ppm
Chloride	≤ 0.10%
Loss on drying	≤ 0.20%
Specific rotation	-1° to +1°
Particle analysis	≥ 100% through 40 mesh
Assay	99.0 – 101.0%
Chromatographic purity	
Single impurity	≤ 0.10%
6,8 Epirithioctanoic acid	≤ 0.10%
Total impurities	≤ 0.5%
Polymers	≤ 2.0%
Residual solvents	
Toluene	≤ 30 ppm
Ethyl acetate	≤ 250 ppm
Cyclohexane	≤ 2000ppm

Storage

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