

Specification

Technical Data Sheet

Product Name	DL-alpha-Lipoic acid (DL Thiocctic acid)
Product No	27534819
CAS Number	1077-28-7
Storage Temperature	Ambient
Molecular Weight	206.33
	Specification
Appearance	Slightly yellow crystalline powder
Heavy metals	≤ 10ppm
Identification	Conforms to reference
Loss on Drying	≤ 0.20%
Melting Point	60 - 62°C
Specific rotation	-1.0° to +1.0°
Total plate count	≤ 1000 CFU/g

Specification

Assay	99.0 - 101.0% (HPLC)
Cadmium (Cd)	≤ 1.0ppm
E. Coli and Salmonella	Absence/g
Ethyl acetate	≤ 250ppm
Particle Size	100% through 40 mesh
Residue on Ignition	≤ 0.10%
Staphylococcus aureus	Absence/g
Toluene	≤ 20ppm
Cyclohexane	≤ 1000ppm
Identification (HPLC) .	Conforms to requirements
Lead (Pb)	≤ 3.0ppm
Mercury (Hg)	≤ 0.1ppm
Mould and Yeast	≤ 100 CFU/g
Single impurity (HPLC)	≤ 0.1%
Total impurity (HPLC)	≤ 2.0%