



## Specification

### DL-Thioctic Acid

**CAS Number:** 1077-28-7  
**Molecular Formula:** C<sub>8</sub>H<sub>14</sub>O<sub>2</sub>S<sub>2</sub>  
**Molecular Weight:** 206.3  
**Storage:** 15°C - 30°C

Test	Specification
Appearance:	Slightly yellow crystalline powder
Identification:	Meet the requirements
Specific Rotation:	-1.0 - +1.0 °
Assay (HPLC):	99.0 - 101.0 %
Cadmium:	≤ 1 ppm
Chromatographic (Single Impurity):	≤ 0.1 %
Chromatographic (Total Impurities):	≤ 2.0 %
Heavy Metals :	≤ 10 ppm
Lead:	≤ 3 ppm
Limit of Polymer Content:	Conforms
Loose Bulk Density:	Report g/ml
Loss on Drying:	≤ 0.2 %
Melting Point:	60 - 62 oC
Mercury (Hg):	≤ 0.1 ppm
Particle Size :	100% Through 40 Mesh
Residual Solvents by GC (Cyclohexane):	≤ 1000 ppm
Residual Solvents by GC (Ethyl Acetate):	≤ 250 ppm
Residual Solvents by GC (Toluene):	≤ 20 ppm
Residue on Ignition:	≤ 0.1 %
Staphylococcus Aureate:	Absence/g
Total Plate Count:	≤ 1000 cfu/g
E.Coli/ Salmonella:	Absence/g
Molds and Yeasts:	≤ 100 cfu/g

Approved:

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