XI'AN AOGU BIOTECH CO..LTD

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CERTIFICATE OF ANALYSIS

Product Name	Alpha Lipoic Acid		
Cas No	1077-28-7		
Standard	USP Dietary Supplement		
Batch Number	20220822	Manufacture Date	20220822
Report Date	20220822	Expiry Date	20240821

Item of Analysis	Specification	Results
Assay	99%-101%	99.6%
Appearance	Light yellowish crystalline powder	Conforms
Odor	Characteristic	Characteristic
Taste	Characteristic	Characteristic
Melting Point	60.0~62.00°C	60.0~61.2°C
Particle Size	100% through 60 mesh	Conforms
Loss on Drying	≤0.20%	0.1%
Residue on Ignition	≤0.10%	0.03%
Specific Rotation	-1.00°-+1.00°	Conforms
Limit of polymer content	≤2.0%	<2.0%
Single Unknown Impurity	≤0.10%	0.07%
Total Impurities	≤0.50%	0.26%
Heavy Metals	≤10ppm	<10ppm
Cyclohexane	≤1000ppm	587ppm
Toluene	≤30ppm	Conforms
Ethyl acetate	≤250ppm	70ppm
Cyclohexane	≤1000ppm	587ppm
Toluene	≤30ppm	Conforms
Ethyl acetate	≤250ppm	70ppm -
Cyclohexane	≤1000ppm	587ppm

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive

heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging