

## SPECIFICATION

<b>Product Name/产品名称</b>	Alpha Lipoic Acid	<b>CAS No./CAS 号码</b>	1077-28-7
<b>Chemical Name/化学名</b>	1,2-Dithiolane-3-valeric Acid	<b>Analysis Basis/检测依据</b>	USP43
<b>Molecular Formula/分子式</b>	C <sub>8</sub> H <sub>14</sub> O <sub>2</sub> S <sub>2</sub>	<b>Molecular Weight/分子量</b>	206.33
<b>Shelf Life/保质期</b>	2 Years	<b>Country of Origin/原产地</b>	China

<b>Characters/性状</b>	<b>Reference/检测方法</b>	<b>Standard/标准</b>
<b>Appearance/外观</b>	Visual	Slightly yellow crystal powder
<b>Taste/滋味</b>	Organoleptic	Characteristic

<b>Assay/含量</b>	<b>Reference/检测方法</b>	<b>Standard/标准</b>
<b>Assay/含量</b>	HPLC	99.0-101.0% (calculated with anhydrous substance)
<b>Single Impurity/单一杂质</b>	HPLC	Max. 0.1%
<b>Total Impurities/总杂质</b>	HPLC	Max. 2.0%
<b>Polymer/聚合物</b>	HPLC	Max. 1.0%

<b>Item/检测项目</b>	<b>Reference/检测方法</b>	<b>Standard/标准</b>
<b>Particle Size/细度</b>	40 mesh screen	Min. 95% pass 40 mesh
<b>Loss on Drying/干燥失重</b>	USP<921>	Max. 0.20%
<b>Residue on ignition/灼烧残渣</b>	USP<281>	Max. 0.10%
<b>Melting point/熔点</b>	USP<741>	60°C to 62°C
<b>Specific rotation/旋光度</b>	USP<781>	-1.0° to +1.0°
<b>Heavy Metal/重金属</b>	USP<231>	Max. 10 ppm
<b>Lead/铅</b>	USP<2232>	Max. 3 ppm
<b>Cadmium/镉</b>	USP<2232>	Max. 1 ppm
<b>Mercury/汞</b>	USP<2232>	Max. 0.1 ppm
<b>Cyclohexane/环己烷</b>	GC	Max. 3880 ppm
<b>Ethyl Acetate/乙酸乙酯</b>	GC	Max. 5000 ppm
<b>Toluene/甲苯</b>	GC	Max. 890 ppm
<b>Total Aerobic/总菌落</b>	USP<2021>	Max. 1,000 CFU/g
<b>Mold and Yeast/霉菌酵母菌</b>	USP<2021>	Max. 100 CFU/g
<b>E. Coli/大肠杆菌</b>	USP<2022>	Negative/1g
<b>*Salmonella/沙门氏菌</b>	USP<2022>	Negative/25g

<b>Storage/存储</b>	Store in cool, dry, clean storage areas. Away from strong direct light and heat.
<b>Packing/包装</b>	Packed in fibre-drum with two food grade PE bags inside N.W.: 25Kg/Drum.

<b>Statements/声明</b>
Non-Irradiated, Non-ETO, Non-GMO, Non-Allergen
The item marked with * is tested at a set frequency based on risk assessment.