

SPECIFICATION

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

Characters/性状	Reference/检测方法	Standard/标准
Appearance/外观	Visual	Slightly yellow crystal granule
Taste/滋味	Organoleptic	Characteristic

Assay/含量	Reference/检测方法	Standard/标准
Assay/含量	HPLC	98.0-102.0% (calculated with anhydrous substance)
Single Impurity/单一杂质	HPLC	Max. 0.1%
Total Impurities/总杂质	HPLC	Max. 2.0%

Item/检测项目	Reference/检测方法	Standard/标准
Particle Size/细度	20 mesh screen	Min. 95% pass 20 mesh
Bulk Density/松密度	USP43	0.4-0.6g/ml
Tapped Density/紧密度	USP43	0.5-0.7g/ml
Loss on Drying/干燥失重	USP<921>	Max. 0.2%
Residue on ignition/灼烧残渣	USP<281>	Max. 0.1%
Heavy Metal/重金属	USP<231>	Max. 10 ppm
Lead/铅	USP<2232>	Max. 3 ppm
Cadmium/镉	USP<2232>	Max. 1 ppm
Mercury/汞	USP<2232>	Max. 0.1 ppm
Cyclohexane/环己烷	GC	Max. 3880 ppm
Ethyl Acetate/乙酸乙酯	GC	Max. 5000 ppm
Toluene/甲苯	GC	Max. 890 ppm
Total Aerobic/总菌落	USP<2021>	Max. 1,000 CFU/g
Mold and Yeast/霉菌酵母菌	USP<2021>	Max. 100 CFU/g
E. Coli/大肠杆菌	USP<2022>	Negative/1g
*Salmonella/沙门氏菌	USP<2022>	Negative/25g

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

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