



Xi'an Green Spring Technology Co.,Ltd

Certificate of Analysis

Product	Alpha Lipoic Acid	
Tests	Results	Specifications
Melting point	60.7℃-61.3℃	Should be 60°C-62℃
Optical rotation	0°	Should be -1°-+1°
Identification	Complies	HPLC
	Complies	IR
Polymeric Lipoic Acid	Conforms	NMT 1.0%
Related substances	0.08%	Max Individual Impurity:NMT 0.1%
	0.08%	Total Impurity:NMT 2.0%
Residual Solvents	0.18%	Cydohexane:NMT 0.388%
	N.D	Ethyl Acetate:NMT 0.5%
	N.D	Toluene:0.089%
Loss on drying	0.1%	NMT 0.2%
Residue on ignition	0.04%	NMT 0.1%
Heavy metals	K10ppm	k10ppm
Assay	99.96%	NLT99.0%NMT101.0%(calculated on the dried basis)
Conclusion:Conforms to USP43 standard		

Quality Assurance:Liang Yan

