



西安绿泉科技有限公司

XI'AN GREEN SPRING TECHNOLOGY CO., LTD.

CERTIFICATE OF ANALYSIS

Product Name:	R-Lipoic acid
Description:	Yellow crystalline powder
CAS NO.	1200-22-2
Batch NO.	230217
Batch quantity	500kg
Manufacture Date	Feb.17.2023
Retest Date	Feb.17.2024

ITEMS	SPECIFICATION	TEST RESULTS
Physical & Chemical Data		
Color	Light yellow to yellow crystalline powder	Complied
Solubility	Dissolve in Methanol	Complied
Identification	The retention time of major peak of the sample solution corresponds to that of the standard solution, as obtained in the assay.	Complied
Loss on Drying	≤0.5 %	0.2%
Polymer	The color of impurity B in the sample solution shall not be darker than that of impurity B in the standard solution	Complied
Specific rotation	+118.0° ~126.0° (c=1,ethanol)	+120°
Residue on ignition	≤0.1 %	0.02%
Heavy Metal	≤10 ppm	Complied
Residual solvents	Cyclohexane ≤0.388%	0.107%
	Acetone ≤0.5 %	ND
	Ethyl alcohol ≤0.5 %	ND
	Toluene ≤0.089 %	0.017%
Related substance	Individual impurity ≤0.2 %	0.04%
	Total impurity ≤1.0 %	0.14%
Isomer	≤1.0 %	0.45%
Assay	99.0%~101.0%	100%

Storage
Shelf

Cool & dry place, 2°C-8°C. Keep away from strong light and heat.
2 year when properly stored.

