

CERTIFICATION OF ANALYSIS

Product Name	R-Lipoic acid		
CAS No.	1200-22-2		
Batch Number	BH240522LXS	Quantity	500KGS
Manufacture Date	2024-05-22	Analysis Date	2024-05-29
Expiry Date	2026-05-21	Original Package	25kg/bag

Items	Standards	Results
Physical and chemical analysis:		
Appearance	Yellow Crystalline Powder	Complies
Identification	Positive	Complies
Odor&Taste	Characteristic	Complies
Assay	≥99.0%	99.91%
	6,8-epitrithio-octanoic acid	N.D
Related Substance	Max Individual Impurity: NMT 0.1%	0.09%
	Total Impurity: NMT 1%	0.09%
	Cyclohexane: NMT 0.388%	0.10%
Residual Solvents	Ethyl Acetate: NMT 0.5%	0.0068%
	Toluene: NMT 0.089%	0.00047%
Isomer	R-Lipoic Acid	98.27%
	L- Lipoic Acid	1.72%
Specific Rotation	-	+117°
Residue analysis:		
Heavy Metal	≤10ppm	Complies
Pb	≤3ppm	Complies
As	≤2ppm	Complies
Hg	≤0.1ppm	Complies
Cd	≤1ppm	Complies
Microbiological:		
Total Plate Count	≤1000cfu/g	Complies
Yeast&Mold	≤100cfu/g	Complies
E. coil	Negative	Negative
Salmonella	Negative	Negative
General Information:		
Conclusion	Conform to specification.	
Packing	Packed in paper-drums and two plastic-bags inside. N.W:25kg	
Storage	Keep in cool & dry place. Keep away from strong light and heat.	
Shelf life	2 years under the conditions above and in its original packaging	

Tested by: Tony Liu

Approved by: Mike He

Certified by: Albert Li