

CERTIFICATE OF ANALYSIS

Product Name	L-carnitine	Specification	Company Standard
CAS No.	541-15-1	Manufacture Date	2024.9.22
Quantity	500KG	Analysis Date	2024.9.29
Batch No.	BF-240922	Expiry Date	2026.9.21

Items	Specifications	Results
Assay	98.0% - 103.0%	99.40%
Appearance	White crystalline powder	Complies
Odor & Taste	Characteristic	Complies
Identification	IR Method	Complies
Specific Rotation(°)	-29.0 - 32.0	-31.2
pH	5.5 - 9.5	7.5
Chloride	≤ 0.4%	< 0.4%
Loss on Drying	≤ 4.0%	0.10%
Residue on Ignition	≤ 0.5%	0.05%
Heavy Metal		
Total Heavy Metal	≤ 10 ppm	Complies
Lead (Pb)	≤ 3.0 ppm	Complies
Arsenic (As)	≤ 2.0 ppm	Complies
Cadmium (Cd)	≤ 1.0 ppm	Complies
Mercury (Hg)	≤ 0.1 ppm	Complies
Microbiological Test		
Total Plate Count	≤ 1000 CFU/g	Complies
Yeast & Mold	≤ 100 CFU/g	Complies
E.Coli	Negative	Complies
Salmonella	Negative	Complies
Package	Packed in plastic bag inside and aluminum foil bag outside.	
Storage	Store in a cool and dry place, keep away from strong light and heat.	
Shelf Life	Two years when properly stored.	
Conclusion	Sample Qualified.	



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