

CERTIFICATE OF ANALYSIS

Product Name	Acetyl-L-carnitine HCl	Batch Number	010093250921
CAS Number	5080-50-2	Manufacture Date	Sep.21,2025
Molecular formula	C ₉ H ₁₈ ClNO ₄	Best Used Before	Sep.20,2027

Items	Specifications	Results
Appearance	White crystalline powder	White crystalline powder
Identification	IR	Positive
Appearance of Solution	Clear and Colorless	Clear and Colorless
Specific Rotation	-26.0°~-29.0°	-27.9°
pH	2.3~2.6	2.4
Loss On Drying	≤0.5%	0.14%
Assay	98.5%~102.0%	99.90%
Residue on ignition	≤0.5%	0.05%
Particle size	60~80mesh	Conforms
Heavy metals	≤10ppm	<10ppm
Arsenic	≤1ppm	<1ppm
Lead	≤3ppm	<3ppm
Cyanide	Absent	Absent
Mercury	≤0.1ppm	<0.1ppm
Cadmium	≤1ppm	<1ppm
Total plate account	≤1,000cfu/g	<1,000cfu/g
Yeast and moulds	≤100cfu/g	<100cfu/g
E.coil	Absence/10g	Conforms
Salmonella	Absence/25g	Conforms

Conclusion: Qualified.

Net weight: 25.0kgs/bag

Gross weight: 27.5Kgs±0.5kg/drum

24 months under 30°C in a well-closed container and away from moisture, light, oxygen.

Packed in paper drum or carton with two plastic bags inside.