

Specification Sheet

Product Name	Acetyl-L-Carnitine HCL		
Packing	25Kg/Drum	Shelf Life:	24Months

Items	Specification	Test methods
Identification	IR	USP<197K>
Appearance	White crystal or white crystalline powder	Visual
Specific rotation	-27.0~ -29.0°	USP<781S>
PH	2.0~3.0	USP<791>
Loss on drying	≤0.5%	USP<921> method
Residue on ignition	≤0.5%	USP<281>
Residual solvents(Ethanol)	≤0.5%	USP<467>
Particle size	Through 20 mesh	20 mesh screen
Bulk density	0.3-0.7g/ml	Physical
Tapped density	0.5-0.9g/ml	Physical
Assay	≥98.0%	Titration
Heavy metal	≤10ppm	USP<231>method
Lead (Pb)	≤3ppm	AAS
Cadmium(Cd)	≤1ppm	AAS
Mercury (Hg)	≤0.1ppm	AAS
Arsenic (As)	≤1ppm	Ch.p Appendix VIII
TPC	≤ 1000Cfu/g	EP(2.6.12)
Yeast & Mold	≤ 100Cfu/g	EP(2.6.12)
E.Coli	Negative	Ch.p Appendix XI J.
Salmonella	Negative	Ch.p Appendix XI J.
Conclusion	Specification meets the USP37 standard.	