

Specification Sheet

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

Items	Specification	Test methods
Appearance	White Powder or Crystalline Powder	Visual
Specific rotation	-16.5~ -18.5°	USP<7815>
Solubility	Clarification	Visual
PH	3.0~4.0	USP<791>
Water Content	≤1.0%	USP<921> method A
Residue on ignition	≤0.5%	USP<281>
residual solvents	≤0.1%	USP<467>
L-Carnitine	58.5±2.0%	Titration
Fumaric Acid	41.5±2.0%	Titration
D-Carnitine	0.5%	
Mesh	Through 20 mesh	20 Mesh Screen
Tapped density	/	Physical
Bulk density	/	Physical
Assay	≥98.0%	Titration
Heavy metal	≤10ppm	USP<231>method A
Lead (Pb)	≤3ppm	AAS
Cadmium (Cd)	≤1ppm	AAS
Mercury (Hg)	≤0.1ppm	AAS
Arsenic(As)	≤1ppm	AAS
CN-	Not detectable	Ch.P. Appendix VIII F. method A
Chloride	≤0.4%	USP<221>
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	Comply with In house standard	