

Specification of L-carnitine L-tartrate

Product: L-carnitine L-tartrate

Type: Food Grade

Package: 25KG Drum

Check Item	Specification	Method
Identification	In accordance with the IR absorption spectrum of the standard	IR
Appearance	White or off-white Crystalline Powder	Visual
Particle size (mesh)	Through 20mesh	20 Mesh Screen
Specific rotation	-9.5~ -11.0°	USP
PH	3.0~4.5	USP
Water	≤0.50%	USP
Residue on ignition	≤0.50%	USP
Residual solvents (Ethanol)	≤0.5%	USP
Solubility	Clarification	Visual
Cyanide	Non detectable	Ch.P.
Heavy metal	≤10ppm	USP
Arsenic (As)	≤1ppm	USP
Lead (Pb)	≤3ppm	USP
Cadmium (Cd)	≤1ppm	USP
Mercury (Hg)	≤0.1ppm	AAS
TPC	≤1000Cfu/g	USP
Yeast & Mold	≤ 100Cfu/g	USP
E.Coli	Negative	USP
Salmonella	Negative	USP
L-Carnitine	68.2±1.0%	Titration
L-Tartaric acid	31.8±1.0%	Titration
bulk density	0.4-0.7g/ml	Physical
tapped density	0.5-0.9g/ml	Physical

Shelf Life: 24 months

Meet USP standard