

TECHNICAL DATA SHEET

Product code 090008
 Product L-Choline Bitartrate
 Specification 99%-100.5%
 CAS Number 86-7-2

Items	Specifications	Test Method
Identification A&B	Pass USP test	USP
Appearance	White crystalline powder	Visual
Assay	99.0-100.5%	USP<541>
Loss on drying	≤0.5%	USP<731>
pH(10% solution)	3.0-4.0	USP<791>
Specific rotation	+17.5°~ +18.5°	USP<781S>
Residue on ignition	≤0.1%	USP<281>
Heavy metals	≤10ppm	USP<231>
Arsenic	≤1ppm	USP<730>
Lead	≤0.3ppm	USP<730>
Cadmium	≤0.2ppm	USP<730>
Mercury	≤0.1ppm	USP<730>
Residual solvent	Meet the requirements	USP<467>
1,4 Dioxane	≤10ppm	---
Total amines	≤10ppm	USP
Chromatographic purity	Conform	USP
Total plate count	≤1000cfu/g	USP<61>
Yeast and mold	≤100cfu/g	USP<61>
E.coli	Negative/10g	USP<62>
Salmonella	Negative/25g	USP<62>
Staphylococcus	Negative/10g	USP<62>
Bulk density	0.6~0.8g/ml	USP<616>
Tapped density	0.7~0.9g/ml	
Particle size	Thru 20 mesh	USP<786>
	Thru 40 mesh	
	Thru 60 mesh	

Net weight: 25kgs/Drum

Gross weight: 27.5Kgs±0.5kg/Drum

Packing size: Drum.I.D.35×H51cm

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