



JHD CORP

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Office(China): Level 22, Shenglang International, Xi'an, Shaanxi

Manufacturer(China): Hongda Industrial District, Xianyang, Shaanxi

Office&Warehouse(USA): 35 E Park Dr, Westampton, NJ, 08060

Office&Warehouse(USA): 2077 S Vineyard Ave, Ontario, CA 91761

Certificate of Analysis

Acetyl L-Carnitine HCL 98.5~101.0% Titrimetry

Batch No.	20251225	Manufacturing Date	December 25, 2025
Batch Quantity	1,000KG	Retest Date	December 24, 2028
Appearance	White Crystalline Powder	Country of Origin	China
Items	Specification	Result	Method
Content	Acetyl L-Carnitine HCL 98.5~101.0% (By anhydrous)	99.43%	Titrimetry USP<541>
Identification	The sample spectrum is consistent with the standard spectrum.	Conform	IR
Specific Rotation $[\alpha]_D^{20}$	-26.0°~-29.0°	-27.72°	Optical Rotation USP<781>
Physical Characteristics			
Loss on Drying	NMT 0.5%	0.11%	USP <731>
Residue on Ignition	NMT 0.5%	0.08%	USP <281>
Chemical Characteristics			
pH	2.0~3.0	2.17	USP <791>
Heavy Metals(as Pb)	NMT 10ppm	<10ppm	USP <231> Method II
Arsenic (As)	NMT 1ppm	<1ppm	ICP-MS USP <233>
Packing and Storage	Polyethylene bag with cardboard drum. 25kg net. Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.		

Tested by: *Tracy Cui*

Date: January 3, 2026

Approved by: *Jack Jia*

Date: January 3, 2026

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