



开原亨泰营养科技有限公司

Kaiyuan Hengtai Nutrition Co., Ltd.

Certificate of Analysis

Ingredient Name: L-Carnitine USP
Batch Number: 10100120230952
Quantity: 400KGS
Country of Origin: China
Date of Manufacture: Sept.19,2023
Date of Re-Test : Sept.18,2025

Item	Standard	Results	Method
Appearance	White crystals or crystalline powder	White crystalline powder	Organoleptic
Identification	IR	Positive	USP
Appearance of Solution	Clear and Colourless	Clear and Colourless	Ph.Eur.
Specific Rotation	-29.0°~-32.0°	-31.13°	USP
pH	5.5~9.5	7.04	USP
Loss on Drying	≤0.5%	0.30%	USP
Assay	97.0%~103.0%	99.66%	USP
Residue on Ignition	≤0.1%	0.05%	USP
D-Carnitine	≤0.2%	0.08%	HPLC
Residual Solvents:			
Residue Ethanol	≤5000ppm	273ppm	USP
Heavy Metals	≤10ppm	<10ppm	USP
Arsenic	≤1ppm	<1ppm	USP
Chloride	≤0.4%	<0.4%	USP
Potassium	≤0.2%	<0.2%	USP
Sodium	≤0.1%	<0.1%	USP
Cyanide	Absent	Absent	Ch.P.
Lead	≤3ppm	<3ppm	USP
Mercury	≤0.1ppm	<0.1ppm	USP
Cadmium	≤1ppm	<1ppm	USP
Total Plate Count	≤1000Cfu/g	30 Cfu/g	USP
Yeast & Mold	≤100Cfu/g	10 Cfu/g	USP
E.Coli	Negative	Negative	USP
Salmonella	Negative	Negative	USP



We certify that this batch of **L-Carnitine** conforms to the current USP

Analysts 段永辉

Checker

高伟

Supervisor

刘峰

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