



开原亨泰营养科技有限公司

Kaiyuan Hengtai Nutrition Co., Ltd.

**Certificate of Analysis**

**Ingredient Name:** L-Carnitine L-Tartrate  
**Batch Number:** 10100220231106  
**Quantity:** 1000KGS  
**Country of Origin:** China  
**Date of Manufacture:** Oct.27,2023  
**Date of Re-Test :** Oct.26,2025

Item	Standard	Results	Method
Appearance	White crystalline powder	White crystalline powder	Organoleptic
Identification	Chemical method	Positive	USP
Specific Rotation	-9.5°~-11.0°	-10.34°	USP
pH	3.0~4.5	3.63	USP
Loss On Drying	≤0.5%	0.26%	USP
Melting Point	169°C~175°C	170.0°C~171.5°C	USP
Residue on Ignition	≤0.2%	0.04%	USP
Assay			
L-Carnitine	68.2%±1.0%	68.09%	Titration
L-Tartaric acid	31.8%±1.0%	31.69%	Titration
Heavy Metals	≤10ppm	<10ppm	USP
Arsenic	≤1ppm	<1ppm	USP
Chloride	≤4000ppm	<4000ppm	USP
Cyanide	Absent	Absent	Ch.P.
Lead	≤3ppm	<3ppm	USP
Mercury	≤0.1ppm	<0.1ppm	USP
Cadmium	≤1ppm	<1ppm	USP



We certify that this batch of **L-Carnitine L-Tartrate** conforms to Inhouse Standards.

Analysts 段永辉

Checker 高伟

Supervisor 刘峰

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