



开原亨泰化工有限公司

KAIYUAN HENGTAI CHEMICAL CO., LTD.

Product specification
L-Carnitine L-Tartrate

Item	Standard	Method
Appearance	White crystalline powder	Organoleptic
Identification	Chemical method	USP
Specific Rotation	-9.5°~-11.0°	USP
pH	3.0~4.5	USP
Water Content	≤0.5%	USP
Melting Point	169°C~175°C	USP
Residue on Ignition	≤0.2%	USP
Assay		
L-Carnitine	68.2%±1.0%	Titration
L-Tartaric acid	31.8%±1.0%	Titration
D-Carnitine	≤0.5%	HPLC
Heavy Metals	≤10ppm	USP
Arsenic	≤1ppm	USP
Chloride	≤0.4%	USP
Cyanide	Absent	USP
Lead	≤3ppm	USP
Mercury	≤0.1ppm	USP
Cadmium	≤1ppm	USP
Total Plate Count	≤1000Cfu/g	USP
Yeast & Mold	≤100Cfu/g	USP
E.Coli	Negative	USP
Salmonella	Negative	USP



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