



湖北泓肽生物科技有限公司

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SPECIFICATION SHEET

PRODUCT NAME: L-Carnosine

CAS #:305-84-0

Item	Specification	Test Method
Appearance	Off-white or white Granular	ORGANOLEPTIC
HPLC Identification	Consistent with the reference substance main peak retention time	HPLC
Specific rotation	Between+20.0° and +22.0°	ChP 0621
Heavy metals	Less than 10 ppm	ChP 0821
pH(2% in water)	7.5 to 8.5	ChP 0631
Loss on dry	Less than 1.0%	USP
Lead	Less than 3 ppm	ICP
Arsenic	Less than 1 ppm	ICP
Cadmium	Less than 1 ppm	ICP
Mercury	Less than 0.1 ppm	ICP
Melting point	250.0 ^{°C} ~265.0 ^{°C}	USP
Residue on ignition	Less than 0.1%	USP
Hydrazine	Less than 2 ppm	COLORIMETRY
Bulk density	≥0.2g/ml	In house
Tapped density	-	In house
Assay	Between 99.0% to 101.0%	HPLC
β-Alanine, free	Not more than 0.1%	HPLC
L-Histidine, free	Not more than 0.3%	HPLC
Total aerobes counts	Less than 1000CFU/g	USP
Mold & Yeast	Less than 100CFU/g	USP
E.Coli	Negative	USP
Salmonella	Negative	USP
Conclusion	All items conform to the in-house specification	

Shelf life : 2 years

Country of origin : China

Starting material : β-Alanine, L-Histidine

Composition: L-Carnosine 99.0~101.0%, no adding other carriers

Residual solvent : methanol≤3000 ppm

Standard : In house standard

Package size : 20kgs/drum

Storage : Keep tightly closed in a dry place. Do not expose to excessive heat or cold