



XI'AN CORE PURE BIO&TECH CO., LTD.

Add.: Rm 30-10602, No. 1 Fangjian Road, Baqiao District, Xi'an City. Shaanxi Province 710038, P. R. China

SPECIFICATION SHEET

Product Name:	L-Carnosine
Molecular Weight:	226.23
Molecular Formula:	C ₉ H ₁₄ N ₄ O ₃
Country of origin:	China

Item of Analysis	Specification
Appearance	Off-white or white powder
Identification	Consistent with the reference substance main peak retention time
Specific rotation [α] _{D20}	+20.0° to +22.0°
Heavy metals	≤ 10ppm
pH	7.5 to 8.5
Loss on drying	≤ 1.0%
Residue on ignition	≤ 0.10%
Lead	≤ 3ppm
Arsenic	≤ 1ppm
Mercury	≤ 0.1ppm
Cadmium	≤ 1ppm
Melting point	250.0°C to 265.0°C
Hydrazine	≤ 2ppm
Bulk density	-----
Tapped density	-----
L-Histidine	≤ 0.3%
Assay	99.0% to 101.0%
Total aerobes counts	≤ 1000cfu/g
Yeast and Mould	≤ 100cfu/g
E.Coli	Negative
Salmonella	Negative

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.