



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

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CERTIFICATE OF ANALYSIS

Product Name:	L-Carnosine	Batch Number:	20240407
Molecular Formula:	C ₉ H ₁₄ N ₄ O ₃	Molecular Weight:	226.23
Quantity :	1000kg	Man. Date:	Apr.7,2024
Expiration date:	Apr.6, 2026	Date of Inspection:	Apr.9,2024

Item of Analysis	Specification	Results
Appearance	White or off-white powder	Conforms
Identification	Consistent with the reference substance main peak retention time	Conforms
Specific rotation [α] _{D20}	+20.0° to +22.0°	+21.3°
Heavy metals	≤ 10ppm	Conforms
pH	7.5 to 8.5	8.0
Loss on drying	≤ 1.0%	0.05%
Residue on ignition	≤ 0.10%	0.06%
Lead	≤ 3ppm	Conforms
Arsenic	≤ 1ppm	Conforms
Mercury	≤ 0.1ppm	Conforms
Cadmium	≤ 1ppm	Conforms
Melting point	250.0°C to 265.0°C	253.0°C to 256.5°C
Assay (HPLC)	99.0% to 101.0%	99.6%
Bulk density	---	0.17g/ml
Tapped density	---	0.34g/ml
Total aerobes counts	≤ 1000cfu/g	Conforms
Yeast and Mould	≤ 100cfu/g	Conforms
E.Coli	Negative	Negative
Salmonella	Negative	Negative
Conclusion :	The products Conforms to in- house specification	

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.

QC: Frank Yao

Checker: Simon He

