



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

CERTIFICATE OF ANALYSIS

Product Name:	L-Carnosine	Batch Number:	20210527
Molecular Formula:	C ₉ H ₁₄ N ₄ O ₃	Molecular Weight:	226.23
Quantity :	1000kg	Man. Date:	05/27/2021
Expiration date:	05/26/2023	Date of Inspection:	05/29/2021

Item of Analysis	Specification	Results
Appearance	Off-white or white powder	White power
Identification	Consistent with the reference substance main peak retention time	Conforms
Specific rotation [α] _{D20}	+20.0° to +22.0°	+21.2°
Heavy metals	≤ 10ppm	Conforms
pH	7.5 to 8.5	8.1
Loss on drying	≤ 1.0%	0.20%
Residue on ignition	≤ 0.10%	0.05%
Lead	≤ 3ppm	Conforms
Arsenic	≤ 1ppm	Conforms
Mercury	≤ 0.1ppm	Conforms
Cadmium	≤ 1ppm	Conforms
Melting point	250.0°C to 265.0°C	254.7°C to 256.2°C
Hydrazine	≤ 2ppm	Conforms
Bulk density	-----	0.18g/ml
Tapped density	-----	0.37g/ml
L-Histidine	≤ 0.3%	0.07%
Assay	99.0% to 101.0%	99.6%
Total aerobes counts	≤ 1000cfu/g	37 cfu/g
Yeast and Mould	≤ 100cfu/g	39cfu/g
E.Coli	Negative	Not Detectable
Salmonella	Negative	Not Detectable
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