

CERTIFICATE OF ANALYSIS

Product Name:	L-Carnosine		
Batch No.	20230301	Quantity	1000kg
Manufacturing Date	March 1, 2023	Expiry Date TO	February 28, 2025
Report Date	March 2, 2023	Quantity	1000kg
Analytical results			
Items	Specifications		Results
Identification	HPLC		Conform
Appearance	Off white or white power		Conform
Specific rotation [α]D20	+20.0°~ +22.0°		+ +21.2°
Heavy metals	Not more than 10ppm		Conform
PH	7.5 to 8.5		7.9
Loss on drying	Not more than 1.0%		0.21%
Arsenic	Not more than 1ppm		Conform
Mercury	Not more than 0.1ppm		Conform
Cadmium	Not more than 1ppm		Conform
Lead	Not more than 3ppm		Conform
Melting point	250.0°C to 265.0°C		254.4°C to 255.8°C
Residue on ignition	Not more than 0.10%		0.05%
Hydrazine	Not more than 2ppm		Conform
Bulk density	Report only		0.26g/ml
Tapped density	Report only		0.51g/ml
L-Histidine	Not more than 0.30%		0.09%
Assay	99.0% to 101.0%		99.60%
Total Plate Count	Not more than 1000cfu/g		Conform
Yeast and Mould	Not more than 100cfu/g		Conform
E.Coli	Negative		Negative
Salmonella	Negative		Negative
Conclusion	The products Conforms to In-house standard		

Inspector: Carlifor Wu

Verifier: Jack He