

CERTIFICATE OF ANALYSIS

Product Name: L-Carnosine	Batch No:201810024	Batch Size:193.8kg
Mfg. Date:2018.10.24	Exp. Date::2023.10.23	Report Date:

Items	Standards	Results
Appearance	White or off-white powder	Conforms
Identification	By HPLC	Conforms
Specific rotation	+20.0° ~ +22.0°	+21.0°
Loss on drying	≤ 1.0%	0.24%
pH	7.5~8.5	8.2
Heavy metals	≤ 10ppm	Conforms
Lead	≤ 3ppm	Conforms
Arsenic	≤ 1ppm	Conforms
Cadmium	≤ 1ppm	Conforms
Mercury	≤ 0.1ppm	Conforms
Residue on ignition	≤ 0.1%	0.07%
Hydrazine	≤ 2ppm	Conforms
Melting point	250.0~265.0℃	254.2~255.5℃
Bulk density	--	0.18g/ml
Tapped density	--	0.38g/ml
L-Histidine	≤ 0.3%	0.07%
Assay	99.0% ~101.0%	99.8%
Total aerobes counts	≤ 1000CFU/g	Conforms
Mold & Yeast	≤ 100CFU/g	Conforms
E.Coli	Negative	ND
Salmonella	Negative	ND

Conclusion: This batch conforms to the in-house standard.