



大连汉德姆精细化学品有限公司

DALIAN HANDOM CHEMICALS CO.,LTD.

Certificate of Analysis

Product Name: L-Carnosine

Batch No.: HDC20230816

Manufacturing Date: Aug 16th, 2023

Packing: 20Kg/Carton

CAS No.: 305-84-0

Batch Quantity: 100.25kg

Retest Date: Aug 15th, 2025

Report Date: Aug 18th, 2023

Test Items	Specifications	Test Results
Appearance	White or off-white powder	White powder
HPLC Identification	The retention time of the main peak is consistent with the reference substance	Conforms
pH Value	7.5 ~ 8.5	8.2
Lead(Pb)	Not more than 1 ppm	Conforms
Arsenic(As)	Not more than 1 ppm	Conforms
Cadmium(Cd)	Not more than 1 ppm	Conforms
Mercury(Hg)	Not more than 0.1 ppm	Conforms
Loss on Drying	Not more than 1.0%	0.25%
Residue on Ignition	Not more than 0.1%	0.02%
L-His	Not more than 0.3%	0.05%
Specific Rotation	+20.0° ~ +22.0°	+21.0°
Purity(HPLC)	Not less than 99.0%	99.82%
Assay	99.0% ~ 101.0%	99.6%
Total Aerobic Microbial Count	Not more than 1000 CFU/g	< 10 CFU/g
Total Yeasts & Moulds Count	Not more than 100 CFU/g	< 10 CFU/g
Thermotolerant coliform	Negative	Not detected
Pseudomonas aeruginosa	Negative	Not detected
Staphylococcus aureus	Negative	Not detected



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Salmonella	Negative	Not detected
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Conclusion: The testing results of this batch are complied with the Enterprise Standard.

Storage Conditions: Sealed and kept at 4°C in a dry place; long-term storage should be at -20°C ~ 4°C.