

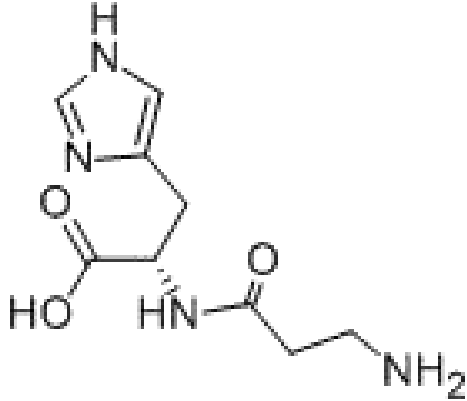


Wuhan HengHeDa Pharm Co., Ltd

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Wuhan Economic& Technological Development Zone, Wuhan, China

CERTIFICATE OF ANALYSIS

Product name	L-Carnosine	
CAS NO	305-84-0	
Molecular formula	C9H14N4O3	
Molecular weight	226.23	
Quantity	5KG	
Batch NO	HHD20220812	
Production date	2023.03.20	
Expiry Date	2025.03.19	
Test based on enterprise standard		
Test Item	Specification	Result
Appearance	Off-White or white powder	White powder
Identification	HPLC RT	Conform
Assay	99.0%~101.0%	99.7%
Specific rotation	+20.0°~ +22.0°	+21.0°
Melting point	250.0~265.0 °C	254.2~255.7 °C
Lead	≤3ppm	conform
Arsenic	≤1ppm	conform
Cadmium	≤1ppm	conform
Mercury	≤0.1ppm	conform
Heavy metals(Pb)	≤10ppm	conform
Related substances	L-histidine ≤0.1%	0.07%
Hydrazine	≤2ppm	conform
E.Coli	Negative	Not Detectable

PH	7.5~8.5	8.0
Bulk density	≥0.2	0.22
Tapped density	≥0.4	0.49
Total plate count	≤1000cfu/G	<20cfu/G
Total yeast&mold	≤100cfu/G	<10cfu/G
Loss on drying	≤1.0%	0.04%
Residue on ignition	≤0.10%	0.04%

Storage	Store in cool & dry place, keep away from strong light and heat.
Shelf life	2 years when properly stored.
Conclusion: This product complies with above specification	

Inspector
Shen Wu

Director
King Yang

