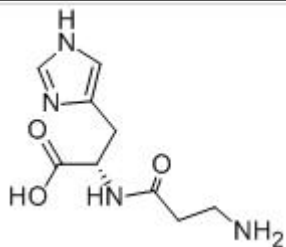




米克 ( 武汉 ) 生物科技有限公司

Mike(Wuhan) Biotechnology Co.,Ltd

### CERTIFICATE OF ANALYSIS

Product name	L-Carnosine		
Molecular formula	C9H14N4O3		
Cas No.	305-84-0	Batch No.	MK-LC-20220820
Quantity	450kg	MFG. date	2022.08.20
Test date	2022.08.21	Retest. date	2024.08.19

Item of Analysis	Specification	Results
Identification	Consistent with the reference substance main peak retention time	Conforms
Color	White to Off-white	Conforms
Specific rotation $[\alpha]_{D20}$	+20.0° to +22.0°	+21.1°
Heavy metals	≤ 10ppm	Conforms
pH	7.5 to 8.5	8.1
Loss on drying	≤ 1.0%	0.05%
Residue on ignition	≤ 0.10%	0.04%
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 255.7°C
Hydrazine	≤ 2ppm	Conforms
Bulk density	-----	0.33g/ml
Tapped density	-----	0.54g/ml
L-Histidine	≤ 0.3%	0.08%
Assay	99.0% to 101.0%	99.60%
Total aerobes counts	≤ 1000cfu/g	30 cfu/g
Yeast and Mould	≤ 100cfu/g	40cfu/g
E.Coli	Negative	Negative Detectable
Salmonella	Negative	Negative Detectable
Long term storage	Store in a well- closed and dry place with room temperature and no direct sun light.	
Conclusion	This product conforms to the specifications.	

ANALYST:

检 1

CHECKER:

检 2

Q.C. DIRECTOR:

