

Certificate of Analysis

Date of Testing: 2024-03-12 10:03:19

Date of Next Testing: 2027-03-12 10:03:19

Product Name: **N-Acetyl-L-carnosine**

CAS Number: 56353-15-2

Specifications & Purity: No animal source, low endotoxin, $\geq 99\%$, used for cell culture (medium material)

Lot #: C2405755

SKU #: **N665002**

Analysis: **321753**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC area)	99-100 (%)	99.58 %
Drying loss	0-6.5 (%)	4.99542 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	24.5-27.5 ($^{\circ}$)	24.96 $^{\circ}$
Heavy metals	0-10 (ppm)	0.00 ppm
Endotoxin	0-10 (EU/g)	0.78700 EU/g
Total Plate Count(Include Total aerobes counts and yeast&mold and Salmonella and E.Coli)	0-100 (cfu/g)	40.00000 cfu/g
Appearance(N665002)	White to Off-White Solid	White to off-white solid
LC-MS for identification	Conforms	Conforms
Solubility in Water	Pass	Pass
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager