

Certificate of Analysis

Product Name: **L-Carnosine**
 CAS #: **305-84-0**
 Starting Material(s): **Phthalic anhydride, Beta Aminopropionic acid, L-Histidine**
 Extraction Solvent(s): **Dichloromethane, Methanol**
 Carrier: **None**
 Country of Origin: **China**
 Batch Number: **Varies**
 Manufacture Date: **Varies**
 Retest Date: **Varies**

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
L-Carnosine (HPLC)	≥99.0%	99.40%
Loss on Drying (LOD) (USP<731>)	≤1.0%	0.14%
Aerobic Plate Count	≤1000 cfu/g	<20 cfu/g
Coliforms	≤100 cfu/g	<20 cfu/g
<i>E. Coli</i>	Negative	Absent
<i>Staph aureus</i>	Negative	Absent
Yeast & Mold	≤100 cfu/g	<20 cfu/g
<i>Salmonella</i>	Negative	Absent
<i>Pseudo. aeruginosa</i>	Negative	Absent
Conclusion (PureBulk):	This product conforms to standards	

The following information is an indirect translation of information provided from the Manufacturer's Certificate of Analysis, and should not be used solely as an instrument for strict quality control.

ITEMS	SPECIFICATIONS	RESULTS
Appearance	Powder	Conforms
Beta-Alanine	≤0.1%	Conforms
Bulk Density	≥0.20 g/ml	0.21 g/ml
Color	White to almost white	Conforms
Hydrazine	≤2 ppm	Conforms
Identification	HPLC Chromatogram: Positive	Conforms
L-Histidine	≤1.0%	Conforms
Melting Point	250-265°C	254.5°C
Odor	Odorless	Conforms
Particle/Mesh Size	40 mesh	Conforms
pH	7.5-8.5 (in 2% water)	8.2
Residue on Ignition	≤0.25%	0.03%
Specific Rotation	+20° ~ +22°	+21.0°
Arsenic (As)	≤1 ppm	Conforms
Cadmium (Cd)	≤1 ppm	Conforms
Heavy Metals	≤10 ppm	Conforms
Lead (Pb)	≤2 ppm	Conforms
Mercury (Hg)	≤0.1 ppm	Conforms
Solubility	Soluble in water, insoluble in Methanol	Conforms
Conclusion (Manufacturer):	This product conforms to enterprise standards	

Additional Information: Non-Allergen || BSE/TSE Free || Gluten-Free || Vegan

GMO Statement: Non-GMO

Composition: L-Carnosine 100.0%

Storage Conditions: Keep in sealed container under 25°C.

Keep away from strong light, heat and moisture.

Purebulk.Inc verifies that the information contained herein is true and correct to the best of our knowledge.

Verified By: Candace Gibson

(This document was produced electronically and is valid without signature.)