

Certificate of Analysis

Product Name: **L-Arginine Base (Non-Vegan)**
 CAS #: **74-79-3**
 Starting Material: **Sheep Wool**
 Carrier: **None**
 Solvents: **None**
 Country of Origin: **China**
 Batch Number: **Varies**
 Manufacture Date: **Varies**
 Retest Date: **Varies**

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
L-Arginine (HPLC)	≥98.5%	99.38%
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	White or almost white crystalline powder or colorless crystals	Conforms
Identification	As per USP41	Conforms
Specific Rotation	+26.3° to +27.7°	+27.2°
Loss on Drying	≤0.5%	0.2%
Residue on Ignition	≤0.3%	0.03%
Chloride (Cl)	≤0.05%	<0.05%
Sulfate (SO ₄)	≤0.03%	<0.03%
Iron (Fe)	≤0.003%	<0.003%
Heavy Metals	≤0.0010%	<0.0010%
Lead (Pb)	≤0.02 ppm	<0.02 ppm
Cadmium (Cd)	≤1 ppm	<1 ppm
Arsenic (As)	≤1 ppm	<1 ppm
Mercury (Hg)	≤0.1 ppm	<0.1 ppm
Organic Volatile Impurities	As per USP41	Conforms
Chromatographic Purity	As per USP41	Conforms
Mesh Size	≤60% through 100 mesh ≥90% through 20 mesh	Conforms Conforms
Bulk Density	0.47~0.69 g/ml	0.58 g/ml
Tapped Density	0.62~0.90 g/ml	0.64 g/ml
Conclusion (Manufacturer):	This product conforms to USP41 standards	

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

GMO Statement: Non-GMO

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.)