

Certificate of Analysis

Product Name: **DL-Phenylalanine**
 Molecular Formula: **C₉H₁₁NO₂**
 CAS#: **150-30-1**
 Extraction Solvent(s): **None**
 Carrier: **None**
 Country of Origin: **China**
 Batch Number: **Varies**
 Manufacture Date: **Varies**
 Retest Date: **Varies**

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
DL-Phenylalanine (HPLC)	≥98%	100.36%
Identification (HPLC)	Positive	Conforms/Positive Sample peak retention time compares positively to standard peak retention times within ± 10%
Aerobic Plate Count	≤1000 cfu/g	<20 cfu/g
Yeast & Mold	≤100 cfu/g	<20 cfu/g
Coliforms	≤10 cfu/g	<20 cfu/g
<i>E. Coli</i>	Not Detectable	Absent
<i>Salmonella</i>	Not Detectable	Absent
<i>Staph aureus</i>	Not Detectable	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 powder or White crystalline powder	White powder
Heavy Metals	≤10 ppm	Conforms
Loss on Drying	≤0.20%	0.14%
Residue on Ignition	≤0.10%	0.09%
Lead	≤3 ppm	Conforms
Mercury	≤0.1 ppm	Conforms
Cadmium	≤1 ppm	Conforms
Arsenic	≤1 ppm	Conforms
Melamine & Melamine Derivatives	Free	Free
Mesh	80% pass 40 to 80 mesh	Conforms
Bulk Density	0.24 g/ml	Conforms
Tapped Density	0.4-0.7 g/ml	0.50 g/ml
Conclusion (Manufacturer):	This product conforms to enterprise standards	

Additional Information: Allergen Free || BSE/TSE Free || Gluten Free || Vegan/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 / Nicole Rammage

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