

Certificate of Analysis

Product Name: **L-Theanine**
 Molecular Weight: **174.2**
 Molecular Formula: **C₇H₁₄N₂O₃**
 CAS #: **3081-61-6**
 Country of Origin: **China**
 Batch Number: **Varies**
 Manufacture Date: **Varies**
 Retest Date: **Varies**

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
L-Theanine (HPLC)	≥98%	99.41%
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 to yellowish white crystals or crystalline powder	Conforms
Solution Clarity	Clear and colorless	Conforms
pH	4.5-6.0	5.18
Loss on Drying	≤1.0%	0.32%
Residue on Ignition	≤0.20%	0.08%
Specific Rotation	+7.5° ~ +8.5°	+7.70°
Chloride (Cl)	≤0.02%	<0.02%
Sulfate	≤0.02%	<0.02%
Particle Size	90% through 80 mesh	Conforms
Heavy Metals	≤10 ppm	<10 ppm
Lead (Pb)	≤0.5 ppm	<0.5 ppm
Arsenic (As)	≤2 ppm	<2 ppm
Mercury (Hg)	≤0.1 ppm	<0.1 ppm
Cadmium (Cd)	≤1 ppm	<1 ppm
Conclusion (Manufacturer):	This product conforms to enterprise standards	

Additional Information: Allergen Free || Gluten Free || GRAS || Vegan/Vegetarian
GMO Statement: Non-GMO
Composition: L-Theanine 100%, no other ingredients
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.)