

Certificate of Analysis

Product Name: **GABA (Gamma Aminobutyric Acid)**
 Molecular Formula: **C4H9NO2**
 Molecular Weight: **103.11976**
 CAS#: **56-12-2**
 Starting Material(s): **Alpha ketopyrrolidone, Calcium Oxide**
 Extraction Solvent(s): **Ethanol, Pure Water**
 Carrier: **None**
 Country of Origin: **China**
 Batch Number: **Varies**
 Manufacture Date: **Varies**
 Retest Date: **Varies**

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
Identification (HPLC)	Positive	Confirmed
Loss on Drying (LOD) (USP)	≤0.5%	0.407%
GABA (Titration)	≥99%	99.90%
Aerobic Plate Count	≤1,000 cfu/g	60 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
Salmonella	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	Crystals or Crystalline Powder	Crystalline Powder
Bulk Density	≥0.40 g/ml	Conforms
Calcium (Ca)	No Opalescence	Conforms
Chloride (Cl)	≤400 ppm	Conforms
Clarity	Clear	Conforms
Color	White	Conforms
Meiling Point	197-204°C	199.0-200.5°C
Particle/Mesh Size	20 Mesh: ≥90%	Conforms
pH	6.5-7.5	7.0
Residue on Ignition	≤0.2%	0.04%
Sulfate (SO4)	≤200 ppm	Conforms
Arsenic (As)	≤1 ppm	Conforms
Cadmium (Cd)	≤1 ppm	Conforms
Heavy Metals	≤10 ppm	Conforms
Iron (Fe)	≤10 ppm	Conforms
Lead (Pb)	≤3 ppm	Conforms
Mercury (Hg)	≤0.1 ppm	Conforms
Solubility	Easily soluble in water (100 g/100ml)	Conforms
Conclusion (Manufacturer):	This product conforms to USP standards	

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

Sterilization Method: Oven

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 / Ann Foote

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