

## Certificate of Analysis

Product Name: **Zinc Bisglycinate**  
 CAS #: **14281-83-5**  
 Country of Origin: **China**  
 Batch Number: **Varies**  
 Manufacture Date: **Varies**  
 Retest Date: **Varies**

## Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
Glycine (HPLC)	Report Only	70.19%
Glycine <identification> (HPLC)	Positive	Conforms/Positive Sample peak retention time compares positively to standard peak retention times within $\pm 10\%$
Zinc (Zn) (ICP-MS)	$\geq 30\%$	31.28%
Arsenic	$\leq 1.0$ ppm	<0.100 ppm
Cadmium	$\leq 1.0$ ppm	0.161 ppm
Lead	$\leq 3.0$ ppm	0.991 ppm
Mercury	$\leq 0.1$ ppm	<0.0500 ppm
Aerobic Plate Count	$\leq 1000$ cfu/g	<20 cfu/g
Coliforms	$\leq 100$ cfu/g	<20 cfu/g
<i>E. Coli</i>	Negative	Absent
<i>Staph aureus</i>	Negative	Absent
Yeast & Mold	$\leq 100$ 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 crystalline powder	Conforms
Loss on Drying	$\leq 1.0\%$	0.49%
pH	7.5-9.0	8.1
Particle Size	90% passing 60 mesh	Conforms
Conclusion (Manufacturer):	This product conforms to enterprise standards	

**Additional Information:** Non-Allergen || Melamine Free || Gluten Free || Sugar-Free || No Pesticides || BSE/TSE Free || GRAS-Yes || Vegetarian/Vegan || Sewer Sludge - No

**Sterilization:** Non-Irradiated || Non-EtO

**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. )