



Certificate of Analysis

Product Name: Copper Gluconate
Starting Material: Copper Carbonate, Gluconic Acid
Country of Origin: China
Batch Number: 20160114119
Manufacture Date: January 14, 2016
Test Date: September 12, 2016
Retest Date: September 11, 2018

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
Copper Gluconate (calculated)	98.0 ~ 102.0%	98.57% (d.b.)
Copper (Cu)	Report Only	14.49% (d.b.)
Gluconic Acid (HPLC)	Report Only	81.08% (d.b.)
Loss on Drying (LOD)	Report Only	0.91%
Arsenic	≤3 ppm	1.68 ppm
Cadmium	Report Only	Not Detected (<0.008 ppm)
Lead	≤25 ppm	0.788 ppm
Mercury	Report Only	Not Detected (<0.013 ppm)
Aerobic Plate Count	≤100 cfu/g	Not Detected
Yeast & Mold	≤10 cfu/g	Not Detected
Coliforms	≤40 cfu/g	Not Detected
<i>E. Coli</i>	Negative	Absent
<i>Salmonella</i>	Negative	Absent
<i>Staph aureus</i>	Negative	Absent
<i>Pseudo. aeruginosa</i>	Negative	Absent
Conclusion (PureBulk):	This product conforms to USP 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	Blue crystalline powder	Conforms
Identification	Meet the requirements	Meet the requirements
Sulfate (SO4)	≤0.05%	<0.05%
Chloride (Cl)	≤0.07%	<0.07%
Reducing Sugar	≤1.0%	<1.0%
Conclusion (Manufacturer):	This products conforms to enterprise standards	

Sterilization Method: 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 /Ann Foote

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