

## Certificate of Analysis

Product Name:	<b>Copper Gluconate</b>
CAS#	<b>527-09-3</b>
Starting Ingredients:	<b>Copper Carbonate, Glucono Delta Lactone</b>
Extraction Solvent(s):	<b>None</b>
Country of Origin:	<b>USA</b>
Batch Number:	<b>Varies</b>
Manufacture Date:	<b>Varies</b>
Retest Date:	<b>Varies</b>

## Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
Copper (Cu)	12.6-16.1%	12.934% (as is)
Gluconic Acid (HPLC)	Report Only	84.52% (as is)
Copper Gluconate (UPS)	Not Detected	100.62% (d.b.)
Loss on Drying	Not Detected	4.53%
Aerobic Plate Count	≤3000 cfu/g	Not Detected
Yeast & Mold	≤300 cfu/g	Not Detected
Coliforms	Negative	Not Detected
<i>E. Coli</i>	Absent	Not Detected
<i>Salmonella</i>	Absent	Not Detected
<i>Staph aureus</i>	Absent	Not Detected
<i>Pseudo. aeruginosa</i>	Absent	Not Detected
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
Identification Test B	Pass	Pass
Identification Test A	Pass	Pass
Bulk Density	Report Only	0.923 g/ml
Identification	0.900-1.000	0.993
Through 40 Mesh	≥80.0%	87.6%
Chloride	≤0.07%	<0.07%
Reducing Substances	≤1.00%	0.05%
Sulfate	≤0.05%	<0.05%
Color	Light Blue~Blue Green	Blue Green
Arsenic (As)	≤3.00 ppm	<0.01 ppm
Cadmium (Cd)	≤1.00 ppm	<0.01 ppm
Lead (Pb)	≤3.00 ppm	0.01 ppm
Mercury (Hg)	≤0.10 ppm	<0.01 ppm
Solubility	Freely Soluble, 440 mg/ml	Conforms
Conclusion (Manufacturer):	This product conforms to enterprise standards	

<b>Additional Information:</b>	BSE-TSE-Free    Gluten-Free    Vegan/Vegetarian    Non-Allergen
<b>Sterilization Method:</b>	Non-EtO    Non-Irradiated
<b>GMO Statement</b>	Non-GMO
<b>Storage Conditions:</b>	<b>Keep in sealed container under 25°C. Keep away from strong light, heat and moisture.</b>

*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. )