



# American International Chemical, Inc.

Corporate Offices: (800) 238-0001

Internet: [www.aicma.com](http://www.aicma.com) Email: [info@aicma.com](mailto:info@aicma.com)

## SPECIFICATION SHEET

### ZINC GLUCONATE USP FCC POWDER

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
ZNGGIP	2998	4468-02-4	May 16, 2011	JP	No. 4	MPR

<b>CHARACTERISTICS:</b>	White colored, fine crystalline powder, soluble in water and slightly soluble in alcohol. This has been sprayed dried and made in a class 100 K clean room facility with injection grade water.
-------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>SPECIFICATIONS:</b>	Identification	
	A	To pass test
	B	To pass test
	Assay	97-102%
	Zinc (as is)	12.31-14.64%
	Water	11.6% max
	Chloride	0.04% max
	Sulfate	0.04% max
	Arsenic	2 ppm max
	pH	5.5-7.5
	Reducing substances	0.8% max
	Cadmium	2 ppm max
	Lead	1 ppm max
	Organic volatile impurities	To meet the requirements
	Residual solvents	To meet the requirements
	Solubility in water	11g in 100ml @20°C
	Particle size passing thru U.S. 80 mesh	90% min.
	Bulk density	350 – 700 kg/m <sup>3</sup>
	Total viable aerobic count	500 cfu/g max
	Total mold and yeast	50 cfu/g max
Enterobacteriaceae	Absent in 1g	
Escherichia coli	Absent in 10g	
Salmonella	Absent in 50 g	
Staphylococcus aureus	Absent in 10g	
Pseudomonas aeruginosa	Absent in 10g	



# American International Chemical, Inc.

Corporate Offices: (800) 238-0001

Internet: [www.aicma.com](http://www.aicma.com) Email: [info@aicma.com](mailto:info@aicma.com)

## SPECIFICATION SHEET

### ZINC GLUCONATE USP FCC POWDER ZNGGIP

Page 2

<b>STOCKING POINTS:</b>	Farmingdale, NJ; Houston, TX; Carson, CA (check with office)
<b>PACKAGING:</b>	Various packaging combinations are available depending upon customer requirements. Standard packaging is 25 kg fiber drums with inner HMHDPE liners. Standard pallet configuration is 15 drums per pallet as 3 layers of 5 drums per layer, with the option to increase layers to 20 or 25 drums per pallet.
<b>APPLICATIONS:</b>	Dietary supplement and food additive especially for those products that require low total aerobic counts, improved solubility; neutral pH and low trace minerals.
<b>SHELF LIFE AND STORAGE INSTRUCTIONS:</b>	Store in well closed container in dry location at ambient room temperature (~ 20°C). Material should be re-tested against certificate of analysis three years from date of manufacture.
<b>OTHER:</b>	The manufacturing site is WHO cGMP and ISO 9000-2004, ISO 14000-2006 certified. The manufacturer has achieved a COS issued by the EDQM. It is certified by NQA to the requirement of HACCP under the Codex Alimentarius. The product is Kosher and Halal certified. Meets current USP, FCC monograph requirements.