



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

Internet: www.aicma.com Email: info@aicma.com

SPECIFICATION SHEET

CALCIUM GLUCONATE MONOHYDRATE USP FCC POWDER

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
CGLGIP	2998	299-28-5	December 4, 2007	SDM	No. 5	RVK

CHARACTERISTICS:	White crystalline powder, slowly soluble in water, freely soluble in boiling water, insoluble in alcohol. Made in a class 100K clean room facility from injection grade water.
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SPECIFICATIONS:	Identification	
	A	To pass test
	B	To pass test
	Assay	98.5-102.0% USP and FCC
	Loss on drying	2.0% max
	Chloride	0.02% max
	Sulfate	0.009% max
	Iron	40 ppm max
	Arsenic	2 ppm max
	Lead	0.2 ppm max
	Heavy metals	8 ppm max
	Reducing substances	0.8% max
	Organic volatile impurities	Meets requirements
	Residual solvents	Meets requirements
	Calcium content (as monohydrate)	8.80-9.12%
	Solubility in water	10 g soluble in 100ml of boiling water
	Clarity of above 10% w/v solution in boiling water	Clear to nearly clear
	Color of above	Colorless to nearly colorless
	pH (2% solution)	~7.0 (informative)
	Particle size	
	Thru a U.S. 60 mesh	60% min
	Bulk density	250-600kg/m ³
	Microbial limits	
	Total viable aerobic count	500/cfu/g max
	Total molds and yeasts	50/cfu/g max
Enterobacteriaceae	Absent in 1 g	
Escherichia coli	Absent in 10 g	
Salmonella	Absent in 50 g	
Staphylococcus aureus	Absent in 10 g	
Pseudomonas aeruginosa	Absent in 10 g	



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STOCKING POINTS:	Farmingdale, NJ; Houston, TX; Carson, CA (check with office)
PACKAGING:	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.
APPLICATIONS:	Food supplement especially for those products that require low total aerobic counts, improved solubility, and low trace minerals
SHELF LIFE AND STORAGE INSTRUCTIONS:	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.
OTHER:	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.