



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

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

SPECIFICATION SHEET

CALCIUM GLUCONATE MONOHYDRATE USP FCC GRANULAR

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
CGLGIG	2998	299-28-5	April 13, 2011	JP	No. 7	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	99.0-101.0%
	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
	Residual solvents	Meets requirements
	Calcium content (as monohydrate)	8.80-9.12%
	Solubility in water	10 g soluble in 100 ml 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. 10 mesh	99% min
	Between U.S 10 and U.S 40 mesh	70% min
	Bulk density	600-1200kg/m ³
	Microbial limits	
	Total viable aerobic count	500 cfu/g max
	Total molds and yeasts	50 cfu/g max
	Enterobacteriaceae	Absent in 1g
	Escherichia coli	Absent in 10g
	Salmonella	Absent in 50g
	Staphylococcus aureus	Absent in 10g
	Pseudomonas aeruginosa	Absent in 10g



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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 15 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 TRUCTIONS:	Store in a 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 ISO 9000-2004, ISO 14000-2006, WHO cGMP, HACCP; Kosher, Halal certified and has achieved a COS issued by the EDQM. It is certified by NQA to the requirement of HACCP under the Codex Alimentarius. It is a member of the Global Alliance for Improved Nutrition (GAIN), and supports the UNGC, which encourages businesses worldwide to adopt sustainable and socially responsible policies. Global Calcium's plant is self powered by wind energy generating 100% of their energy needs.