



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

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

SPECIFICATION SHEET

MAGNESIUM LACTATE-GLUCONATE (GLOMIN®)

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
MLGGIP	2998	3632-91-5 50-21-5	April 13, 2011	JP	No. 2	CDS

CHARACTERISTICS:	Free flowing spray dried, water-soluble (20 g in 100 ml @ 20° C), white to off white crystalline powder. Made in a class 100K clean room facility with injection grade water. Also known magnesium lacto-gluconate. Approximately 7.5 grams of GLOMIN provides 100% of RDA for magnesium.
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SPECIFICATIONS:	Assay (dried basis using molecular weight of 671.113)	96.0-102.0%
	Magnesium content (as is basis)	6.23-7.39%
	Loss on drying at 105°C for 4 hours	10% max
	Clarity of 10% w/v solution in water at 25°C	Clear to nearly clear
	Color of 10% w/v solution in water at 25°C	Colorless
	pH of 5% w/v solution in water at 25°C	5.8-7.8
	Chloride	0.05% max
	Sulfate	0.05% max
	Arsenic	2 ppm max
	Lead	2 ppm max
	Heavy metals	20 ppm max
	Particle size passing thru U.S. 80 mesh	90% min w/w
	Bulk density	250-550 kg/m ³
	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	

PACKAGING:	Various packaging combinations are available depending upon customer requirements. Standard packaging is 25 kg fiber drums with inner HMHDPE liners. 18 drums per pallet.
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APPLICATIONS:	As a highly soluble, low tasting source of magnesium in any food, beverage, and nutritional supplement applications. Low viable aerobic count, trace minerals and neutral pH make this most advantageous for beverages.
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SPECIAL STORAGE INSTRUCTIONS:	Store in well closed container in dry location at ambient room temperature (~ 20°C)
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.
SHELF LIFE:	Material should be re-tested against certificate of analysis three years from date of manufacture.