



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

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

SPECIFICATION SHEET

MAGNESIUM GLUCONATE DIHYDRATE USP FCC GRANULAR

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
MGGGIG	2998	59625-89-7	February 17, 2011	JP	No. 3	MPR

CHARACTERISTICS:	White odorless powder that is soluble in water. Made in a class 100K clean room facility with injection grade water
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SPECIFICATIONS:	Assay	98.0-102.0%
	Identification	
	A	To pass test
	B	To pass test
	pH	6.0-7.8
	Water	3.0-12.0%
	Chloride	0.04% max
	Sulfate	0.04% max
	Heavy metals	15 ppm max
	Lead	0.5 ppm max
	Reducing substances	0.8% max
	Residual solvents	Meets requirements
	Magnesium content (as dihydrate)	5.05-5.80%
	Solubility in water	10g in 100 ml boiling water
	Particle size	
	Between a U.S 20 mesh and a U.S 60 mesh	70% min
	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	

STOCKING POINTS:	Farmingdale, NJ; Houston, TX; Carson, CA (check with office)
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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.
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APPLICATIONS:	Dietary supplement and food additive, especially for those products that require low total aerobic counts, improved solubility, and low trace minerals.
SHELF LIFE AND STORAGE INSTRUCTITONS:	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:	Manufacturing site is cGMP (by WHO), EDQM (European Directorate for the Quality of Medicines), HACCP, ISO-9001:2000, ISO-14001, Kosher and Halal certified. Meets current USP, FCC monograph requirements.