



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

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

SPECIFICATION SHEET

MANGANESE LACTATE GLUCONATE EZ-MANGANESE®

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
MNLGIP	2998	6485-39-8 50-21-5 90-80-2	April 14, 2011	JP	No. 1	CDS

CHARACTERISTICS:	Off white or pinkish white or pale pink crystalline/granular powder. Approximately 21 milligrams will provide what is estimated safe and adequate daily dietary intake of manganese for adult men and women (~2 mg for infants and 9 mg for children).
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SPECIFICATIONS:	Identification	To pass test
	Solubility (5% solution in water at 25°)	Soluble
	Manganese content (as is basis)	16.0-18.0%
	Loss on drying	10% max
	Arsenic	3 ppm max
	Lead	5 ppm max
	Particle size passing thru US 30 mesh	80% min
	Bulk density (loose)	400-1200 Kg/m ³
	Total aerobic bacterial count	1,000 cfu/g max
	Yeasts and mold	100 cfu/g max
	Escherichia coli	Absent/10g
	Salmonella	Absent/10g
	Staphylococcus aureus	Absent/10g
Pseudomonas aeruginosa	Absent/10g	

PACKAGING:	25 kg fiber drums with HMHDPE liners; 15 to 25 drums per pallet depending upon height restrictions (5 drums per layer). Also may be available in 20 kg cartons, 30 cartons per pallets (10 cartons per layer).
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APPLICATIONS:	Where ever there is need for a water-soluble source of manganese. It is one of the highest forms of a food grade soluble manganese salt also having very low taste profile.
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SHELF LIFE AND STORAGE INSTRUCTIONS:	Material should be re-tested against certificate of analysis 3 years from date of manufacture. Store in well closed container in a dry location away from sunlight and moisture at ambient room temperature (20-25°C).
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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.