



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

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

SPECIFICATION SHEET

ZINC CITRATE ANHYDROUS

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
ZCAGIP	2998	5990-32-9	July 21, 2007	SDM	Original	TJK

CHARACTERISTICS:	Odorless white granular-powder in the anhydrous form. Insoluble in water. Soluble in diluted hydrochloric acid. Also known as 1,2,3-Propanetricarboxylic acid, hydroxyl-, zinc salt (2:3) Molecular formula: $C_{12}H_{10}O_{14}Zn_3$ Molecular weight: 574.3
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SPECIFICATIONS:	Assay (zinc content)	31.0-33.0%
	Identification (zinc)	To pass test
	Identification (citrate)	To pass test
	Loss on drying	1.0% max
	Sulfate	400 ppm max
	Chloride	400 ppm max
	Lead	5 ppm max
	Cadmium	5 ppm max
	Arsenic	3 ppm max
	pH	5.5-7.5
	Bulk density (loose)	600-1000 Kg/ m ³
	Particle size (thru US 40 mesh)	95.0% min
	Total aerobic count	1000 cfu/ g max
	Total molds & yeasts	100 cfu/ g max
	Escherichia coli	Negative
Salmonella	Negative	

STOCKING POINTS:	Consult 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 option to increase layers to 20 or 25 drums per pallet.
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APPLICATIONS:	Nutritional food supplements, additive in toothpastes and mouthwashes, zinc source in vitamins and cold lozenges.
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SHELF LIFE AND STORAGE INSTRUCTIONS:	Material should be re-tested against the certificate of analysis 3years from date of manufacture and stored in well closed containers in dry location at ambient room temperature (~ 20°C).
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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.
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	It is certified by NQA to the requirement of HACCP under the Codex Alimentarius. The product Halal certified.
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