



# American International Chemical, Inc.

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## SPECIFICATION SHEET

### CALCIUM CITRATE GRANULAR WITH 3% STARCH

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
CCPCGS	2902	5785-44-4	February 16, 2011	JP	No. 2	MPR

<b>CHARACTERISTICS:</b>	Odorless, granules that are slightly soluble in water and insoluble in alcohol. This is a 3:2, tetra hydrate. This is a USP/FCC Calcium Citrate blended with 3% food grade starch
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<b>SPECIFICATIONS:</b>	Identification	
	A	To pass test
	B	To pass test
	Assay	94.5-97.5%
	Fluoride	30 ppm max
	Heavy metals	20 ppm max
	Lead	0.20 ppm max
	Loss on drying	10.0-13.3%
	Acid insoluble substances	0.2% max
	Arsenic	3 ppm max
	Residual solvents	Meets requirements
	Calcium content	20.0% min
	Particle size	
	On US 20 mesh	10% max
	Between 20-80 mesh	70% min
	Thru 80 mesh	20% max
	Bulk density (loose)	~0.6-0.7 g/cc
	Bulk density (tapped)	~0.65-0.75 g/cc
	Microbial limits	
	Total aerobic count	1,000 cfu/mg max
Total molds and yeasts	100 cfu/mg max	
Total coliform	100 cfu/mg max	
Escherichia coli	Negative	
Salmonella	Negative	

<b>PACKAGING:</b>	Multi-ply paper bags 25 kgs each; 72 bags/pallet; 18 mts/container Open head cardboard drums 25 kgs each; 18 drums/pallet; 9 mt/container
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<b>APPLICATIONS:</b>	Sequestrant, buffer, firming agent in foods.
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<b>SHELF LIFE AND STORAGE INSTRUCTIONS:</b>	Material should be re-tested against certificate of analysis three years from date of manufacture. Store in well closed container in dry location at ambient room temperature (~ 20°C)
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<b>OTHER:</b>	The manufacturing site is certified by SGS as GMP and HACCP under the Codex Alimentarius. ISO 9001 certified. The product is certified Kosher under Star K.
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