



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

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

SPECIFICATION SHEET

CALCIUM ASCORBATE DIHYDRATE 9.4%

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved
CB9AUP	1450	5743-27-1	November 8, 2011	JGP	No. 2	MPR

CHARACTERISTICS:	White to tan powder. Contains 8.03-8.87% crystalline water. Powder material where typical particle size is approximately 80% between 60-80 mesh. Freely soluble in water. Practically insoluble in methanol and ethanol.
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MOLECULAR FORMULA:	$C_{12}H_{14}O_{12}Ca \cdot 2H_2O$
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MOLECULAR WEIGHT:	426.35
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SPECIFICATIONS:	Assay	
	Calcium content	8.46-10.3%
	Ascorbic acid content	74.3-90.9%
	Cadmium	Less than 5 ppm
	Arsenic	Less than 3 ppm
	Lead	Less than 1 ppm
	Mercury	Less than 1 ppm
	Coliforms	Negative/g
	Total plate count	Less than 3,000 cfu/g
	Staphylococcus aureus	Negative/g
	Yeast and mold	300 cfu/g max
	Salmonella	Negative/25g
	Escherichia coli	Negative/g

STOCKING POINTS:	Salt Lake City, UT
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PACKAGING:	20 kg carton; 27 cartons per pallet
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APPLICATIONS:	Nutritional food supplement as a soluble source for calcium and vitamin C. Antiscorbutic vitamin.
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