



# American International Chemical, Inc.

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## SPECIFICATION SHEET

### ZINC CITRATE DIHYDRATE

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
ZNCAUP	1450	5990-32-09	March 22, 2010	SDM	No. 6	RVK

<b>CHARACTERISTICS:</b>	Odorless, white to off-white powder that is the dihydrate form, which contains 5.6-6.2% crystalline water. It has a typical particle size of 60 mesh and a bulk density of 0.980 mg/cc. pH at a 0.5% suspension ranges from 3.8-6.5.
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<b>MOLECULAR FORMULA:</b>	$Zn_3(C_6H_5O_7)_2 \cdot 2H_2O$
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<b>MOLECULAR WEIGHT:</b>	610.40
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<b>SPECIFICATIONS:</b>	Assay (zinc content)	30.5-33.7%
	Loss on drying (4 hrs. @ 105° C)	1% max.
	pH (0.5% suspension)	3.8-6.5
	Chloride	0.05% max
	Sulfate	0.05% max
	Arsenic	3 ppm max
	Cadmium	5 ppm max
	Lead	10 ppm max
	Mercury	1 ppm max
	Total plate count	1000 cfu/g max
	Yeast and mold	100 cfu/g max
	Escherichia coli	Negative/g
	Salmonella	Negative/25g

<b>STOCKING POINTS:</b>	Salt Lake City, UT
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<b>PACKAGING:</b>	25 kg carton; 27 cartons per pallet
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<b>APPLICATIONS:</b>	Food supplements, additive in toothpastes and mouthwashes, zinc source in vitamins and cold lozenges.
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