



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

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

SPECIFICATION SHEET

ZINC CITRATE DIHYDRATE 32.1% KOSHER

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
ZNC301	1450	5990-32-09	June 29, 2011	JGP	Original	RVK

CHARACTERISTICS:	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.
-------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

MOLECULAR FORMULA:	$Zn_3(C_6H_5O_7)_2 \cdot 2H_2O$
---------------------------	---------------------------------

MOLECULAR WEIGHT:	610.40
--------------------------	--------

SPECIFICATIONS:	Assay (zinc content)	30.5-33.7%
	Loss on drying (4 hrs. @ 105° C)	Less than 1%
	pH (0.5% suspension)	3.8-6.5
	Chloride	Less than 0.05%
	Sulfate	Less than 0.05%
	Arsenic	Less than 3 ppm
	Cadmium	Less than 5 ppm
	Lead	Less than 10 ppm
	Mercury	Less than 1 ppm
	Total plate count	1000 cfu/g max
	Yeast and mold	100 cfu/g max
	Escherichia coli	Negative/g
	Salmonella	Negative/25g

STOCKING POINTS:	Salt Lake City, UT
-------------------------	--------------------

PACKAGING:	25 kg carton; 27 cartons per pallet
-------------------	-------------------------------------

APPLICATIONS:	Food supplements, additive in toothpastes and mouthwashes, zinc source in vitamins and cold lozenges.
----------------------	-------------------------------------------------------------------------------------------------------