



American International Chemical, Inc.

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SPECIFICATION SHEET

ZINC OROTATE DIHYDRATE

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
ZNOGIP	2998	-	March 6, 2008	SDM	No. 4	TJK

CHARACTERISTICS:	A white to almost white crystalline powder. Hardly soluble in water. Practically insoluble in 96% ethanol and ether.
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MOLECULAR FORMULA:	$C_{10}H_6N_4O_8Zn \cdot 2H_2O$
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MOLECULAR WEIGHT:	411.6
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SPECIFICATIONS:	Identification	
	A. IR	To pass test
	B. Zinc	To pass test
	Assay (by complexometric titration)	98-101%
	UV absorption maximum	Between 269 to 285 nm
	pH (1.0% suspension in water)	Between 3.0 to 5.0
	Amino acid test on 1g sample	To pass test
Related substances Hydantonitrile	0.1% max	

PACKAGING:	25 kg HDPE drum
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APPLICATIONS:	Nutritional food supplements
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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. It is certified by NQA to the requirement of HACCP under the Codex Alimentarius. The product is Kosher and Halal certified.
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SHELF LIFE:	Material should be re-tested against certificate of analysis three years from date of manufacture. Store in an air tight container at 25-30°C
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