



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

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

SPECIFICATION SHEET

TASTY IRON ®

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
TIRGIP	2998	12389-15-0 23383-11-1 617-48-1 77-92-9 56038-13-2	May 2, 2008	SDM	No. 2	KSG

CHARACTERISTICS:	A greenish white powder that is soluble in water and is a proprietary blend of GRAS approved ingredients that have been low temperature dried, and will cause <i>no physical alteration of chemical properties of each individual compound.</i> Manufactured in Class 100K facility using injection grade water.
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SPECIFICATIONS:	Identification	
	A. Iron	To pass test
	B. Gluconate	To pass test
	C. Citrate	To pass test
	D. Malate	To pass test
	pH (5% solution)	2.5-3.5
	Loss on drying	5.0-15.0%
	Chloride	0.07% max
	Oxalic acid	To pass test
	Sulfate	0.1% max
	Arsenic	2 ppm max
	Lead	2 ppm max
	Reducing sugars	To pass the test
	Organic volatile impurities	To pass the test
Iron content	6.0-7.5%	
Bulk density	550-750kg/m ³	

PACKAGING:	Standard packaging is 25 kg fiber drums with inner HMHDPE liners.
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APPLICATIONS:	A versatile, water-soluble iron compound with flexible organoleptic properties that can be used for various functional foods and nutraceutical products. Dietary supplement for replacement of other iron salts where its properties are beneficial.
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SHELF LIFE AND STORAGE INSTRUCTIONS:	Material should be re-tested against certificate of analysis two years from date of manufacture and stored in well closed container in dry location at ambient room temperature (~ 20°C)
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OTHER:	The manufacturing site is WHO cGMP, 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. Product should be labeled as
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	Ferrous Gluconate, Ferrous Citrate, Malic Acid, Citric Acid, and Sucralose, all of which are on the GRAS list.
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