



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

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

SPECIFICATION SHEET

L-CYSTEINE HCL MONOHYDRATE USP/FCC 100 MESH

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
LCYSTM	2995	7048-04-6	July 24, 2008	MPR	No. 3	RVK

CHARACTERISTICS:	White free flowing powder that is freely soluble in water and alcohol, having a characteristic odor and acidic taste.
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SPECIFICATIONS:	Identification	To pass test
	Assay	98.0-101.5%
	Heavy metals	15 ppm max.
	Lead	5 mg/kg max.
	Loss on drying	8-12%
	Sulfate	0.03% max.
	Iron	30 ppm max.
	Chromatographic purity	To pass test
	Residual solvents	Meets requirement
	Residue on ignition	0.1% max.
	Specific rotation $[\alpha]_D^{20}$	Between + 5.7° and + 6.8°
	Particle size	
	Thru a 100 mesh	~85%

PACKAGING:	25 kg PE lined, open head fiber drums
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APPLICATIONS:	<ul style="list-style-type: none">- Dough conditioner- Enhance flavor and nutritional value of food products
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OTHER:	ISO Certified
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