



American International Chemical, Inc.

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SPECIFICATION SHEET

CHOLINE L-BITARTRATE USP FCC CONDITIONED*

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Written By	Rev. No.	Approved By
CBLASP	1358	87-67-2	July 11, 2007	SDM	SDM	No. 6	TJK

CHARACTERISTICS:	<p>A white odorless, hygroscopic crystalline powder having an acetic taste. Soluble in water and slightly soluble in alcohol. Made from natural L-Tartaric Acid. Typical particle size is ~60 mesh.</p> <ul style="list-style-type: none">Choline L-Bitartrate coated (conditioned) with ~1% Silicon DioxideContains ~41% Choline
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SPECIFICATIONS:	Identification	
	A, B	To pass test
	Assay (Anhydrous basis)	99.0-100.5%; 98.5% min. with silicon dioxide
	Specific rotation	Between +17.5° and +18.5°
	pH (1-10 solution)	Between 3.0 and 4.0
	Water	0.5% max
	Residue on ignition (without silicon dioxide)	0.1% max
	1,4 Dioxane	To pass test
	Arsenic	2 ppm max
	Lead	0.3 ppm max
	Heavy metals	10 ppm max
	Limit of total amine	10 ppm max
	Chromatographic purity	To pass test
	Organic volatile impurities	Meets requirements
	Silicon dioxide	Between 0.5 and 1.5%
	Total aerobic count*	Less than 1000 cfu/g
	Yeast and molds*	Less than 100 cfu/g
	Total coliform*	Less than 10 cfu/g
	Escherichia coli*	Negative/10 g
	Salmonella*	Negative/25 g
Staphylococcus aureus*	Negative/10 g	
* Microbial testing based on quarterly representative samples		

PACKAGING:	25 kg fiber drums with 2 PE liners; 16 drums per pallet.
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APPLICATIONS:	Nutritional supplements in human foods and animal feeds
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OTHER:	<p>Kosher certified, manufactured by a GMP compliant and ISO certified company. Store in a controlled environment, if possible. Material is hygroscopic. Do not leave drum open.</p> <p>The Food and Drug Administration has authorized a nutrient content claim for Choline. Food and supplements with 55 mg or more of Choline cation per portion can be labeled "a good source of Choline" and those with 110 mg "an excellent source of Choline." A copy of this document <u>Nutrient Content Claims Notification for Choline - Containing Foods</u> by the FDA is available. Please contact your AIC sales representative.</p>
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