



American International Chemical, Inc.

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SPECIFICATION SHEET

CHOLINE CHLORIDE USP FCC

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
CCLASP	1358	67-48-1	July 19, 2011	MPR	No. 6	RVK

CHARACTERISTICS:	White crystalline powder. It is hygroscopic, and very soluble in water and alcohol. Contains ~75% Choline. Soluble in water and methanol (greater than 20%).
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SPECIFICATIONS:	Identification	
	A, B (USP)	To pass test
	A, B, C, D (FCC)	To pass test
	Assay	99.0-100.5%
	1,4 Dioxane	To pass test
	Heavy metals	10 ppm max
	Residue on ignition	0.05% max
	Water	0.5% max
	pH (1 in 10)	Between 4.0 and 7.0
	Arsenic	2 ppm max
	Lead	0.3 ppm max
	Limit on total amines	10 ppm max
	Chromatographic purity	Not more than 2.0% total impurities found
	Residual solvents	Meets requirements
	Total aerobic count*	Less than 1000 cfu/g
	Yeast and molds*	Less than 100 cfu/g
	Total coliform*	Less than 10 cfu/g
	E.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 inside; 16 drums per pallet.
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APPLICATIONS:	Nutrient, dietary supplement
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OTHER:	<p>Kosher certified, manufactured in a GMP compliant and ISO certified company. Store and use in controlled environment if possible. Material is hygroscopic. Do not leave drum open. Store in a tightly closed container, preferably protected from light.</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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