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## Specification Sheet

### CHOLINE DIHYDROGEN CITRATE NF 12

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
CDCCIT	1358	77-91-8	March 5, 2012	MPR	No. 1	RVK

<b>CHARACTERISTICS:</b>	Crystalline white powder, that is hygroscopic and soluble in water and methanol.
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<b>SPECIFICATIONS:</b>	Assay	98% min
	Identification	
	A	To pass test
	B	To pass test
	C	To pass test
	D	To pass test
	Melting point	103.0-107.5° C
	pH (25% in water)	3.5-4.5
	Water	0.25% max
	Residue on ignition	0.05% max
	Heavy metals	20 µg/g max
	Total aerobic count	Less than 1,000 cfu/g
	Yeast and molds	Less than 100 cfu/g
	Total coliforms	Less than 10 cfu/g
	Escherichia coli	Negative/10 g
Salmonella	Negative/25 g	
Staphylococcus aureus	Negative/10 g	

<b>PACKAGING:</b>	25 kg fiber drums with 2 PE liners inside. 16 drums per pallet.
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<b>APPLICATIONS:</b>	Nutritional supplements in human foods and animal feeds. Store in a controlled environment, if possible. Material is hygroscopic. Do not leave drum open. <b>The Food and Drug Administration has authorized a nutrient content claim for Choline. Food and supplements with 55 mg or more of Choline 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.</b>
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<b>OTHER:</b>	Kosher certified
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