



American International Chemical, Inc.

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SPECIFICATION SHEET

DMAE L-BITARTRATE (Dimethylaminoethanol L-Bitartrate)

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
DLBASP	1358	5988-51-2	February 3, 2011	MC	No. 1	MPR

CHARACTERISTICS:	White, crystalline powder with characteristic odor. Very soluble in water. Product is mildly hygroscopic with a relatively low melting point. Product needs to be kept in a tightly sealed container in a cool, dry environment. Also called deanol L-bitartrate.
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SPECIFICATIONS:	Identification	To pass test
	Assay	99.0% min
	Specific rotation	Between +16.0 and +19.0 °
	pH (1%)	3.2-3.8
	Water	0.5% max
	Residue on ignition	0.1% max
	Arsenic	1 ppm max
	Lead	0.3 ppm max
	Heavy metals	10 ppm max
	DMAE content	36.9-37.3%
	Melting point	110-114°C
	Loss on drying	1.0% max
	Total aerobic count*	1000 cfu/g max
	Yeast and molds*	100 cfu/g max
	Total coliform*	10 cfu/g max

*Microbial testing based on production campaign representative samples.

STOCKING POINTS:	Farmingdale, NJ and Houston, TX
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PACKAGING:	25 kg fiber drums with 2 PE liners; 16 drums per pallet.
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APPLICATIONS:	Nutritional food supplements as a stable source of DMAE. (DMAE is a metabolite, or precursor, in choline formation). Personal skin care, anti-aging, and anti-wrinkle formulations.
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OTHER:	Kosher certified, manufactured by a GMP compliant and ISO certified company.
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SPECIAL STORAGE INSTRUCTIONS:	Material is hygroscopic. Store in a well-closed container and preferably protected from light in a controlled environment, if possible. Do not leave open.
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SHELF LIFE:	Retest 2 years from date of manufacture.
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