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SPECIFICATION SHEET

Product Name	N-Acetyl L-Carnitine HCl

Starting Material(s): L-Catnitine (Epichlorhydrin), Acetyl chloride

ANALYSIS	**SPECIFICATION**	**TEST METHOD**
Appearance	White crystalline Powder	Visual
Assay	98.5% -101% min.	USP
Melamine	Negative	HPLC
pH	2.3-2.6	USP
Specific Rotation	-27.0-29.0	USP
Loss on Drying	0.5% max	USP
Residue on Ignition	0.5% max	USP
Residue Solvents	Isopropanol 0.1% max.	USP
Mesh size	60 mesh	60 mesh screen
Heavy Metals	10ppm max.	USP
Arsenic	0.5ppm max	USP
Cadmium	0.5ppm max.	USP
Mercury	0.1 ppm max.	USP
Lead	0.5 ppm max.	USP
Microbiology Control		
Total Plate Count	NMT1,000cfu/g	USP
Total Yeast & Mold	NMT100cfu/g	USP
E.Coli.	Negative	USP
Salmonella	Negative	USP
Staphylococcus	Negative	USP
Packing & Storage	25 kgs paper drums, Store in a well-closed container Away from moisture and strong light.	
Conclusion	Conforms to USP standard	

Note: The above information is based on the certificate of analysis received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by : _____

Abdullah Malik (QA)