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Manufacturer of Chiral Molecules

Doc. No.	AE/QC/COA-16
Revision No.	02
Revision Date	08/08/2016

Certificate of Analysis

Customer Name : *****		Product : L-carnitine L-Tartrate		
Batch No. : Lot Sample		CAS No. : 36687-82-8		
Batch Size/Sample Size : 6800 kg		HSN Code : 29225090		
Mfg. Date : 3rd September 2023		Molecular Formula : C₇H₁₅NO₃.1/2 C₄H₆O₆		
Expiry Date : 2nd September 2025				
Lot No. : AE/LCLT/471				
Lot Size : 6800 kg				
PO No. :		Date : 7th September 2023		
Sr. No.	Method/Test	Standard	Analysis	Result
1	Appearance	White Crystalline Powder	Visual	Passed
2	Identification	Conform to IR spectrum of STD	USP	Passed
3	Specific Optical Rotation @ 20°C	-9.5° to -11°	USP	-10.2°
4	Water	NMT 0.5%	USP	0.23%
5	Residue on Ignition	NMT 0.5%	USP	0.04%
6	Chloride	NMT 0.4%	USP	0.2%
7	Assay (Anhydrous)	NLT 98%	USP	98.9%
8	pH	3.0 to 4.5	USP	3.7
9	Heavy Metals	NMT 0.001%	USP	ND
10	L-carnitine %	67.2% to 69.2%	Titration	68.1%
11	L-Tartaric Acid %	30.8% to 32.8%	USP	32.3%
12	Cyanide	1 ppm	USP	ND

This is an electronically generated certificate and does not contain a signature.