



Certificate of Analysis

Product Name:	L(+)-DMAE Bitartrate	Batch Number:	Varies
CAS No.	5988-51-2	Manufacture Date:	Varies
Molecular Formula:	C₈H₁₇NO₇	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay (on dry basis)		≥ 98.0%	98.8 - 91.1%
Physical	Appearance	White powder	Complies
	Water	≤ 0.5%	0.28 - 0.38%
	Residue on ignition	≤ 0.1%	0.02 - 0.04%
	pH (10% solution)	3.00 - 4.00	3.56 - 3.64
	Particle size	100% pass 20 mesh	Complies
Chemical	Heavy Metals	≤ 10 ppm	Complies
	Lead (Pb)	≤ 2 ppm	Complies
	Cadmium (Cd)	≤ 1 ppm	Complies
	Arsenic (As)	≤ 1 ppm	Complies
	Mercury (Hg)	≤ 0.1 ppm	Complies
Microbial	Total Plate Count	≤ 1000 cfu/g	< 1000 cfu/g
	Yeast & Mold	≤ 100 cfu/g	< 100 cfu/g
	E. Coli, Salmonella, Staphylococcus	Negative	Complies
Else	Storage condition	Sealed, kept in shady and dry place	
	Shelf life	Two years	

