



CERTIFICATE OF ANALYSIS

DEANOL L-BITARTRATE

Batch	Manufactured	Expiration
DB25061701	17/06/2025	16/06/2028

Appearance	White crystalline powder	Conform	Visual
Identification	Positive reaction	Conform	In-house
Assay	NLT 99.0%	99.64%	Titration
DMAE	NLT 36.9%	37.13%	Titration
Water	NMT 0.5%	0.07%	Drying (80°C,4h)
pH (10% solution)	3.0-4.0	3.51	pH meter
Specific Rotation	+17.5° - +18.5°	+17.97°	USP<781S>
Residue on ignition	NMT 0.1%	0.02%	USP<281>
Heavy metals*	NMT 10ppm	Conform	Colorimetric method
Lead	NMT 1ppm	Conform	USP<730>
Arsenic	NMT 1ppm	Conform	USP<730>
Cadmium*	NMT 0.2ppm	Conform	USP<730>
Mercury*	NMT 0.1ppm	Conform	USP<730>
Total plate count*	NMT 1000 cfu/g	Conform	USP<61>
Yeast and Mold*	NMT 100 cfu/g	Conform	USP<61>
E.Coli*	Negative/10g	Conform	USP<62>
Salmonella*	Negative/25g	Conform	USP<62>

Staphylococcus*	Negative/10g	Conform	USP<62>
Bulk Density	0.40-0.70g/ml	0.62g/ml	USP<616>
Tapped Density:		0.76g/ml	

Base Bulk