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SPECIFICATION SHEET

Spermidine Trihydrochloride 98.0%

Product Name	Spermidine Trihydrochloride	**CAS No.**	334-50-9
Molecular Formula	C7H22Cl3N3	**Molecular Weight**	254.59

Test Item	Specification	Test Method
Appearance	White to off-white crystalline powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification	Corresponds to reference standard	GC & HNMR
Assay (on dried basis)	≥ 98.0%	GC
Particle Size	NLT 90% through 80 mesh	USP<786>
Loss on Drying	≤ 1.0%	USP<731>
Residue on Ignition	≤ 0.2%	USP<281>
Melting Range	257°C - 259°C	USP<741>
Lead (Pb)	≤ 2.0 ppm	ICP-MS
Arsenic (As)	≤ 2.0 ppm	ICP-MS
Cadmium (Cd)	≤ 1.0 ppm	ICP-MS
Mercury (Hg)	≤ 0.1 ppm	ICP-MS
Standard Plate Count	≤ 1,000 cfu/g	USP<2021>
Total Yeast & Mold	≤ 100 cfu/g	USP<2021>
E. coli (in 10g)	Negative	USP<2022>
Salmonella (in 25g)	Negative	USP<2022>
S. aureus (in 10g)	Negative	USP<2022>

Storage: Store in tightly sealed and preferably full containers in cool, dry and ventilated area.

Shelf Life: 24 months under above conditions, and kept in its unopened original packaging.

Prepared by: Mia Yu Approved by: Charlie Wang Date: Nov. 04, 2026