

CERTIFICATE OF ANALYSIS

Product Name	Spermidine trihydrochloride		
CAS NO.	334-50-9		
Batch Number	20260824	Manufacture Date	20260824
Report Date	20260824	Expiry Date	20280823

Item	Specification	Test Result
Appearance	White to off-white powder.	White powder
Identification	The retention time of the major peak of the sample solution corresponds to that of the standard solution, as obtained in the Purity.	Complies
GC Identification		
Analysis		
Water	Not more than 0.50%	0.40%
Residue on ignition	Not more than 0.50%	Complies
Heavy metals	Not more than 20 ppm	Complies
Purity	Not less than 98.0%	99.50%
Residual solvents		
Methanol	No more than 0.30%	Not detected
Ethanol	No more than 0.50%	0.023%
Isopropanol	No more than 0.50%	Not detected
Microbial limit test		
Aerobe	No more than 10 ³ cfu/g	Complies
Yeast and mold	No more than 10 ² cfu/g	Complies
Escherichia coli	Cannot be detected/g	Not detected/g
Staphylococcus aureus	Cannot be detected/g	Not detected/g
Assay	Not less than 98.0%	99.00%

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

