

Certificate of Analysis

Product Name	Spermidine Trihydrochloride	CAS No.	334-50-9
Batch No.	KN220201	Mfg. Date	2022.02.25
Batch Qty.	50kgs	Testing Date	2022.02.26
Test standard	Enterprise standard	Exp. Date	2024.02.24

Items	Specifications	Results
Appearance	White to off-white powder	Complies
Identification	Should comply with the standard	Complies
Solubility	Soluble in water	Complies
Melting point	257-259 °C	257.1-258.8 °C
Loss on drying	≤1.0%	0.45%
Residue on ignition	≤0.5%	0.05%
Heavy Metals	≤10ppm	<10ppm
Pb	≤2ppm	<2ppm
As	≤1ppm	<1ppm
Hg	≤0.1ppm	<0.1ppm
Cd	≤1ppm	<1ppm
Purity (GC)	≥98.0%	98.75%
Conclusion:	The product complies with Enterprise Standard.	

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