



Certificate of Analysis

Product Name	Spermidine Trihydrochloride	Manufacture Date	Feb.13.2023
Batch Number	SW230213	Analysis Date	Feb.14.2023
Batch Quantity	80kg	Expiry Date	Feb.13.2025

ANALYSIS	SPECIFICATION	RESULT
Appearance	White to off-white powder	Conforms
Identification	¹ HNMR confirms to structure	Conforms
Solubility	Soluble in water	Conforms
Loss on drying	≤1%	0.39%
Residue on ignition	≤0.2%	0.04%
Melting point	257-259°C	257.1-258.4°C
Heavy metals	≤10ppm	Conforms
Pb	≤0.5ppm	Conforms
As	≤0.15ppm	Conforms
Cd	≤2.5ppm	Conforms
Hg	≤1.5ppm	Conforms
Purity (GC)	≥98.0%	99.44%
Conclusion	Conform with specification	

Packing description	Sealed export grade drum & double of sealed plastic bag
Storage	Store in a cool and dry place, stay away from strong light and heat
Shelf life	2 years when properly stored

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