



Certificate of Analysis

Product name	Spermidine Trihydrochloride	Manufacture date	June.13.2022
Batch number	SW220613	Analysis date	June.14.2022
Batch Quantity	80kg	Expiry date	June.13.2024

ANALYSIS	SPECIFICATION	RUSULT
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
Assay	≥99.0%	99.23%
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

Quality Assurance Officer



Corrector

Analyst