

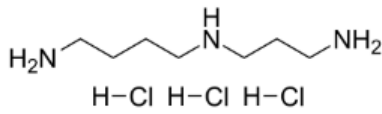


苏州麦轮生物科技有限公司
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CERTIFICATE OF ANALYSIS

Product name	Spermidine Trihydrochloride		
Molecular formula	C ₇ H ₁₉ N ₃ · 3HCl		
Cas No.	334-50-9	Batch No.	MLP-SPD-20221010
Quantity	110kg	MFG. date	2022.10.10
Test date	2022.10.13	Retest. date	2024.10.09

Testing Items	Specifications	Results
Appearance	White to off-white powder	Conforms
Identification	¹ H NMR confirms to structure	Conforms
Solubility	Soluble in water	Conforms
Loss on drying	≤1.0%	0.47%
Residue on ignition	≤0.2%	0.08%
Melting point	257-259°C	257.2-258.5°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%	99.13%
Conclusion	This product conforms to the specifications.	
Storage	Store in a well-closed and dry place below 20°C and no direct sun light.	

ANALYST:

检 1

CHECKER:

检 2

Q.C. DIRECTOR



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