



苏州麦轮生物科技有限公司
Suzhou MyLand Pharm & Nutrition Inc.

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CERTIFICATE OF ANALYSIS

Product name	Spermine Tetrahydrochloride	HCl HCl HCl HCl	
Molecular formula	C ₁₀ H ₂₆ N ₄ · 4HCl		
Cas No.	306-67-2	Batch No.	MLP-SPT-20221008
Quantity	80kg	MFG. date	2022.10.08
Test date	2022.10.12	Retest. date	2024.10.07

Testing Items	Specifications	Results
Appearance	White to off-white powder	Conforms
Identification	¹ HNMR confirms to structure	Conforms
Solubility	Soluble in water	Conforms
Loss on drying	≤1.0%	0.57%
Residue on ignition	≤0.2%	0.04%
Heavy metals	≤10ppm	Conforms
Pb	≤0.5ppm	Conforms
As	≤0.15ppm	Conforms
Cd	≤2.5ppm	Conforms
Hg	≤1.5ppm	Conforms
Purity (GC)	≥98.0%	98.7%
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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