

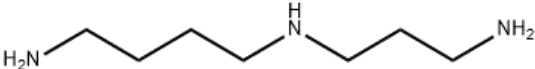


Wuhan HengHeDa Pharm Co., Ltd

Tel:86-27-84888681 Fax:86-27-84888682

Wuhan Economic& Technological Development Zone, Wuhan, China

CERTIFICATE OF ANALYSIS

Product name	Spermidine	
CAS NO	124-20-9	
Molecular formula	C7H19N3	
Molecular weight	145.25	
Quantity	1kg	
Batch NO	HHD20210620	
Production date	2021.06.20	
Expiry Date	2023.06.19	
Test based on enterprise standard		
Test Item	Specification	Result
Appearance	Colorless transparent liquid	Conforms
Identification	¹ HNMR confirms to structure	Conforms
Water	≤3.0%	1.1%
Residue on ignition	≤0.2%	0.08%
Heavy metals	≤10ppm	Conforms
Pb	≤0.5ppm	Conforms
As	≤0.15ppm	Conforms
Cd	≤2.5ppm	Conforms

Hg	$\leq 1.5\text{ppm}$	Conforms
Purity (GC)	$\geq 98.0\%$	99.51%

Storage	Keep sealed, dry and away from light, storage at 2°C to 8°C.
Shelf life	2 years when properly stored.

Conclusion: This product complies with above specification.

Inspector

Shen Wu

Director

King Yang

