## **CERTIFICATE OF ANALYSIS**

Product name	Spermidine	$H_2N$ $N$ $N$ $N$ $N$ $N$	
Molecular formula	C <sub>7</sub> H <sub>19</sub> N <sub>3</sub>		
Cas No.	124-20-9	Batch No.	MLP-SP-20220914
Quantity	10kg	MFG. date	2022.09.14
Test date	2022.09.19	Retest. date	2024.09.13

Testing Items	Specifications	Results
Appearance	Colorless transparent liquid	Conforms
Identification	1HNMR confirms to structure	Conforms
Water	≤3.0%	0.9%
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%	99.14%
Conclusion	This product conforms to the spe	ecifications.
Storage	Keep sealed, dry and away from	light, storage at 2°C to 8°C.

CHECKER:





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