

## Certificate of Analysis

Date of Testing: 2023-02-20 14:33:13  
Date of Next Testing: 2027-02-19 14:33:13  
Product Name: **Spermidine**  
CAS Number: 124-20-9  
Specifications & Purity: 97%  
Lot #: B2307234  
SKU #: **S416439**  
**Analysis:** **189711**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	97.70 %
Water by Karl Fischer	0-1 (%)	0.10 %
Appearance(S416439)	Colorless to pale yellow liquid or solid	Colorless to pale yellow liquid or solid
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow, Clear to Hazy, c=5%	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager