

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-14 14:53:27

Date of Next Testing: 2024-09-13 14:53:27

Product Name: **Spermine**

CAS Number: 71-44-3

Specifications & Purity: Moligand™, ≥98%

Lot #: I2207118

SKU # **S109704**

Version **0**

Analysis #: **315193**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.90400 %
Water by Karl Fischer	0-3 (%)	1.70000 %
Appearance (S109704)	White solid or amorphous semi-solid	White solid or amorphous semi-solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , clear colorless solution at 50mg/ml	pass	Pass



John Su
QA & QC Manager