

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-06-20 12:33:29
 Date of Next Testing: 2026-06-20 12:33:29
 Product Name: **Spermine**
 CAS Number: 71-44-3
 Specifications & Purity: Moligand™, ≥98%
 Lot #: A2509028
 SKU #: **S109704**
 Version: **0**
 Analysis #: **372885**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.90000 %
Water by Karl Fischer	0-3 (%)	1.60000 %
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