

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-06-08 15:51:54

Date of Next Testing: 2028-06-07 15:51:54

Product Name: **Spermine**

CAS Number: 71-44-3

Specifications & Purity: Moligand™, for cell culture, ≥98%(GC)

Lot #: F2604721

SKU #: **S113079**

Version: **0**

Analysis #: **714708**

Storage Temperature: Store at 2-8°C

| Parameter                                                           | Limit Values                          | Result                                |
|---------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Purity(GC)                                                          | 98-100 (%)                            | 99.63800 %                            |
| Appearance (S113079)                                                | clear or white amorphous<br>semisolid | clear or white amorphous<br>semisolid |
| Cell Culture Test                                                   | pass                                  | Pass                                  |
| Proton NMR spectrum                                                 | Conforms to Structure                 | Conforms to Structure                 |
| Solubility in H <sub>2</sub> O , clear colorless ,50 mg/ml in water | pass                                  | Pass                                  |



John Su  
QA & QC Manager