

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-02-11 10:28:16

Date of Next Testing: 2027-02-11 10:28:16

Product Name: **1,3-Bis(tosyloxy)propane**

CAS Number: 5469-66-9

Specifications & Purity:  $\geq 98\%$ (HPLC)

Lot #: D23261048

SKU #: **B134206**

Version **0**

Analysis #: **468492**

| Parameter            | Limit Values                                      | Result                                            |
|----------------------|---------------------------------------------------|---------------------------------------------------|
| Purity(HPLC)         | 98-100 (%)                                        | 99.00000 %                                        |
| Melting point        | 90-93 (°C)                                        | 92.70000 °C                                       |
| Appearance (B134206) | white to off-white powder, crystals and/or chunks | white to off-white powder, crystals and/or chunks |
| Proton NMR spectrum  | Conforms to Structure                             | Conforms to Structure                             |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager