

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 #: D23261050

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