

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-18 13:31:42

Date of Next Testing: 2024-11-17 13:31:42

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

CAS Number: 5469-66-9

Specifications & Purity: $\geq 98.0\%$ (HPLC)

Lot #: C1920044

SKU # **B134206**

Analysis: **157206**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.10600 %
Melting point	90-93 (°C)	91.60000 °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