

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-09 16:30:51

Date of Next Testing: 2026-07-08 16:30:51

Product Name: **Thiophene-2-boronic acid pinacol ester**

CAS Number: 193978-23-3

Specifications & Purity: $\geq 98\%$

Lot #: H1801134

SKU # **T120116**

Version **0**

Analysis #: **105667**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Sulfur by Elemental Analysis	14.5-16 (%)	15.40000 %
Carbon by Elemental Analysis	54.6-59.8 (%)	56.70000 %
Purity(GC)	98-100 (%)	98.00100 %
Appearance (T120116)	white to beige powder or crystals	white to beige powder or crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager