

Certificate of Analysis

Date of Testing: 2022-10-21 18:50:56

Date of Next Testing: 2026-10-20 18:50:56

Product Name: **2,2'-Bithiophene-5-boronic acid pinacol ester**

CAS Number: 479719-88-5

Specifications & Purity: >98.0%(GC)

Lot #: J2218292

SKU #: **T162467**

Analysis: **112102**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.20 %
Melting point	35-38 (°C)	35.21000 °C
Appearance (T162467)	Colorless to dark blue to yellow liquid or solid	Colorless to dark blue to yellow liquid or solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager