

## Certificate of Analysis

Date of Testing: 2025-02-27 15:52:42  
Date of Next Testing: 2028-02-27 15:52:42  
Product Name: **2-Chlorothiophene-3-boronic acid(contains varying amounts of Anhydride)**  
CAS Number: 177734-82-6  
Specifications & Purity:  $\geq 98\%$   
Lot #: B2520256  
SKU #: **C182175**  
Version: **1**  
Analysis #: **413532**  
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration)	98-102.5 (%)	100.84 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(C182175)	White to off-white Solid	White to off-white solid
LC-MS for identification	Conforms	Conforms



John Su  
QA & QC Manager