

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-27 13:53:58

Date of Next Testing: 2026-05-26 13:53:58

Product Name: 5'-Bromo-[2,2'-bithiophene]-5-carbonitrile

CAS Number: 176787-96-5

Specifications & Purity: 98%

Lot #: E2318382

SKU #: B405264

Analysis: 207648

Parameter	Limit Values	Result
Melting point	158-168 (°C)	163.58000 °C
Purity(GC)	98-100 (%)	98.98 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(B405264)	White to Light yellow powder to crystal	White to Light yellow powder to crystal

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager