

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-08 13:23:18
 Date of Next Testing: 2025-08-07 13:23:18
 Product Name: **3-Chlorobenzo[b]thiophene-2-carbonyl Chloride**
 CAS Number: 21815-91-8
 Specifications & Purity: $\geq 97\%$ (GC)
 Lot #: K2105146
 SKU #: **C133276**
 Version: **0**
 Analysis #: **261468**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Melting point	113-117 (°C)	114.80000 °C
Purity(O2 AgNO3 titration with after combustion)	96.5-103.5 (%)	99.20000 %
Purity(GC)	97-100 (%)	97.10800 %
Appearance (C133276)	Yellow to Brown Powder, Crystals and/or Chunks	Yellow to Brown Powder, Crystals and/or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager