

## Certificate of Analysis

Date of Testing: 2023-06-12 11:03:09  
Date of Next Testing: 2027-06-11 11:03:09  
Product Name: **5-Chlorothiophene-2-carboxylic**  
CAS Number: 24065-33-6  
Specifications & Purity: 98%  
Lot #: F2302894  
SKU #: **C101862**  
Analysis: **055673**

Parameter	Limit Values	Result
Purity(Neutralization titration)	97.5-102.5 (%)	99.50 %
Purity(GC)	98-100 (%)	98.54 %
Melting point	151-155 (°C)	153.40000 °C
Appearance (C101862)	white to beige to brown powder or crystals	white to beige to brown powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager