

## Certificate of Analysis

Date of Testing: 2023-02-14 08:56:41  
Date of Next Testing: 2025-02-13 08:56:41  
Product Name: **5-Chlorothiophene-2-carbonyl chloride**  
CAS Number: 42518-98-9  
Specifications & Purity: 98%  
Lot #: B2307993  
SKU #: **C136614**  
**Analysis: 148402**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.496-1.5	1.50
Purity(GC)	98-100 (%)	98.85 %
Purity (Argentmetric Titration)	97.5-102.5 (%)	99.99 %
Refractive index n <sub>20</sub> /D	1.604-1.608	1.60
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager