

## Certificate of Analysis

Date of Testing: 2023-07-31 11:32:17  
Date of Next Testing: 2027-07-30 11:32:17  
Product Name: **5-Formyl-2-thiophenecarboxylic Acid**  
CAS Number: 4565-31-5  
Specifications & Purity: >98.0%(HPLC)(T)  
Lot #: G23211270  
SKU #: **F156760**  
Analysis: **240759**

Parameter	Limit Values	Result
Purity(Neutralization titration)	97.5-102.5 (%)	99.69%
Purity(HPLC)	98-100 (%)	99.38000%
Appearance(F156760)	White or light yellow to light red solid	White or light yellow to light red solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager