

## Certificate of Analysis

Date of Testing: 2025-01-17 17:09:51  
Date of Next Testing: 2027-01-07 17:09:51  
Product Name: **2,5-Dibromo-3,4-dinitrothiophene**  
CAS Number: 52431-30-8  
Specifications & Purity:  $\geq 98\%$   
Lot #: C2330953  
SKU #: **D100783**  
Version: **0**  
Analysis #: **464686**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	7.8-8.9 (%)	8.00 %
Sulfur by Elemental Analysis	8.9-10.1 (%)	8.90 %
Carbon by Elemental Analysis	13.7-15 (%)	14.50 %
Purity(HPLC)	98-100 (%)	99.80000 %
Melting point	135-139 (°C)	138.50000 °C
Appearance (D100783)	White to yellow powder or crystals	White to yellow powder or crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot MeOH , very faint turbidity	pass	Pass



John Su  
QA & QC Manager