

Certificate of Analysis

Date of Testing: 2025-06-13 11:43:47
Date of Next Testing: 2027-06-03 11:43:47
Product Name: **2,5-Dibromo-3,4-dinitrothiophene**
CAS Number: 52431-30-8
Specifications & Purity: $\geq 98\%$
Lot #: L2125372
SKU #: **D100783**
Version: **0**
Analysis #: **523710**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	7.8-8.9 (%)	8.10 %
Sulfur by Elemental Analysis	8.9-10.1 (%)	8.90 %
Carbon by Elemental Analysis	13.7-15 (%)	14.53 %
Purity(HPLC)	98-100 (%)	99.84400 %
Melting point	135-139 (°C)	138.49800 °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