

## Certificate of Analysis

Date of Testing: 2022-07-30 13:10:51  
Date of Next Testing: 2026-07-29 13:10:51  
Product Name: **Safranin T**  
CAS Number: 477-73-6  
Specifications & Purity: Analytical Reagent,Dye content  $\geq$ 85 %  
Lot #: G2227349  
SKU #: **S104168**  
Version **0**  
Analysis #: **107060**

Parameter	Limit Values	Result
E1%(50% EtOH and H <sub>2</sub> O,530 - 534 nm)	1250-1650	1450.00
Assay	85-100 (%)	98.00 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Dark Red SolutionC=(1 mg/ml) pass		Pass
Appearance (S104168)	dark green to Dark brown powder	dark green to Dark brown powder



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QA & QC Manager