

## Certificate of Analysis

Date of Testing: 2022-09-19 18:54:35  
Date of Next Testing: 2026-09-18 18:54:35  
Product Name: **Safranin T**  
CAS Number: 477-73-6  
Specifications & Purity: Analytical Reagent,Dye content  $\geq 85\%$   
Lot #: I2214262  
SKU #: **S104168**  
Analysis: **105329**

Parameter	Limit Values	Result
E1%(50% EtOH and H <sub>2</sub> O,530 - 534 nm)	1250-1650	1255.00
Assay	85-100 (%)	86.40 %
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



John Su  
QA & QC Manager