

## Certificate of Analysis

Date of Testing: 2024-10-19 15:58:14  
Date of Next Testing: 2028-10-18 15:58:14  
Product Name: **Safranine T**  
CAS Number: 477-73-6  
Specifications & Purity: AR, Dye content  $\geq$ 85%  
Lot #: J2412579  
SKU #: **S104168**  
Version: **1**  
Analysis #: **415550**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay	85-100 (%)	99.00 %
$\lambda$ UV Lambda max(50% EtOH and H2O)	530-534 (nm)	533.00000 nm
Absorption Ratio P-15/P+15	1.1-1.32	1.19000
Appearance (S104168)	dark green to Dark brown powder	dark green to Dark brown powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , Dark Red SolutionC=(1 mg/ml) pass		Pass



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QA & QC Manager