

## Certificate of Analysis

Date of Testing: 2022-07-15 13:24:51  
Date of Next Testing: 2026-07-14 13:24:51  
Product Name: **Safranine T**  
CAS Number: 477-73-6  
Specifications & Purity: Analytical Reagent, Dye content  $\geq 85\%$   
Lot #: G2213128  
SKU #: **S104168**  
Analysis: **107052**

Parameter	Limit Values	Result
E1%(50% EtOH and H <sub>2</sub> O, 530 - 534 nm)	1250-1650	1369.00
Assay	85-100 (%)	98.00%
Appearance (S104168)	dark green to black powder	dark green to black powder
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 Solution C=(1 mg/ml)	pass	Pass



John Su  
QA & QC Manager