

Certificate of Analysis

Date of Testing: 2024-09-24 15:44:11
Date of Next Testing: 2028-09-23 15:44:11
Product Name: **Safranin T**
CAS Number: 477-73-6
Specifications & Purity: Analytical Reagent, Dye content $\geq 85\%$
Lot #: I2412551
SKU #: **S104168**
Version: **1**
Analysis #: **407398**

Parameter	Limit Values	Result
Assay	85-100 (%)	99.00 %
λ UV Lambda max(50% EtOH and H ₂ O)	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 H ₂ O , Dark Red Solution C=(1 mg/ml)	pass	Pass



John Su
QA & QC Manager