

Certificate of Analysis

Date of Testing: 2025-03-28 17:40:06

Date of Next Testing: 2029-03-27 17:40:06

Product Name: **Safranine T**

CAS Number: 477-73-6

Specifications & Purity: AR, Dye content $\geq 85\%$

Lot #: C2514453

SKU #: **S104168**

Version: **1**

Analysis #: **482738**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay	85-100 (%)	99.00 %
λ UV Lambda max(50% EtOH and H ₂ O)	530-534 (nm)	532.00000 nm
Absorption Ratio P-15/P+15	1.1-1.32	1.15000
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 SolutionC=(1 mg/ml) pass		Pass



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QA & QC Manager