

## Certificate of Analysis

Date of Testing: 2022-05-09 10:49:31

Date of Next Testing: 2026-05-08 10:49:31

Product Name: **Auramine O**

CAS Number: 2465-27-2

Specifications & Purity: Biological stain

Lot #: G1813032

SKU #: **A108751**

**Analysis:** **089488**

Storage Temperature: Protected from light,Store at -20°C,Argon charged,Desiccated

Parameter	Limit Values	Result
429 - 435 nm (c = 0.005 - 0.006 g/l; Water)	≥36000	36540.00
367 - 373 nm (c = 0.005 - 0.006 g/l; Water)	≥15000	15980.00
Dye Content	80-100 (%)	80.10 %
Extinction Coefficient(249 - 255 nm c = 0.005 - 0.006 g/l; Water)	≥12000	12997.00
Carbon by Elemental Analysis	52.1-87.4 (%)	68.00 %
Nitrogen by Elemental Analysis	10.7-18 (%)	16.30 %
Appearance (A108751)	yellow to gold-green powder or crystals	yellow to gold-green powder or crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility(c = 1mg/ml,95% EtOH))	Yellow Clear or slightly hazy	Yellow Clear or slightly hazy



John Su  
QA & QC Manager