

Certificate of Analysis

Date of Testing: 2022-12-12 15:38:39

Date of Next Testing: 2026-12-11 15:38:39

Product Name: **Auramine O**

CAS Number: 2465-27-2

Specifications & Purity: Biological stain

Lot #: L2208333

SKU #: **A108751**

Analysis: **159474**

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	36003.20
367 - 373 nm (c = 0.005 - 0.006 g/l; Water)	≥15000	15012.30
Dye Content	80-100 (%)	86.64 %
Extinction Coefficient(249 - 255 nm c = 0.005 - 0.006 g/l; Water)	≥12000	12005.30
Carbon by Elemental Analysis	52.1-87.4 (%)	68.54 %
Nitrogen by Elemental Analysis	10.7-18 (%)	13.65 %
Purity(HPLC area)	80-100 (%)	82.09 %
Appearance (A108751)	yellow to gold-green powder or crystals	yellow to gold-green powder or crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager