

Certificate of Analysis

Date of Testing: 2023-06-05 11:13:28

Date of Next Testing: 2027-06-04 11:13:28

Product Name: **Acridine Yellow G**

CAS Number: 135-49-9

Specifications & Purity: 90%

Lot #: E2327654

SKU #: **A121934****Analysis: 214349**

Parameter	Limit Values	Result
Loss on drying	0-10 (%)	2.80 %
Extinction Coefficient(439 - 445 nm)	≥30000	30551.00
Dye Content	90-100 (%)	91.94 %
Extinction Coefficient(262 - 268 nm)	≥44000	45411.00
Appearance (A121934)	Dark Orange to Dark Brown Powder, Crystals	Dark Orange to Dark Brown Powder, Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Clear to Slightly Hazy, Yellow to Orange, 1mg/ml	pass	Pass

John Su
QA & QC Manager