

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-23 09:22:30

Date of Next Testing: 2027-11-23 09:22:30

Product Name: **Acridine Orange Hydrochloride (hydrate)**

CAS Number: 65-61-2(anhydrous)

Specifications & Purity: $\geq 99\%$

Lot #: K2419258

SKU #: **A752184**

Version: **1**

Analysis #: **403408**

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

Parameter	Limit Values	Result
Extinction Coefficient(489-495 nm)(c=0.005g/L; Water)	≥ 35000	47474.00000
Extinction Coefficient(265-271nm)(c=0.005g/L; Water)	≥ 35000	48424.00000
Extinction Coefficient(227-233nm)(c=0.005g/L; Water)	≥ 14000	19354.00000
Purity(HPLC area)	99-100 (%)	99.60000 %
Water by Karl Fischer	<20 (%)	3.50000 %
Appearance(A752184)	Powder	Powder
Solubility(c=0.1%, H ₂ O, Orange to Red-Orange, Clear)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager