



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

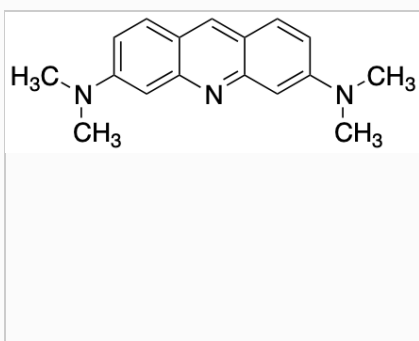
Catalogue Number: A190933

CAS Number: 494-38-2

Product: Acridine Orange Stain

Synonym: N3,N3,N6,N6-Tetramethyl-3,6-acridinediamine; 3,6-Bis(dimethylamino)acridine; 3,6-Di(dimethylamino)acridine; Acridine Orange Base; Acridine Orange Free Base; Brilliant Acridine Orange E; C.I. 46005B; C.I. Solvent Orange 15; NSC 194350; Solvent Orange 15; Waxoline Orange A

Structure:



Molecular Formula:

C₁₇H₁₉N₃

Molecular weight:

265.35

Source of Product:

N/A

Solubility:

No Data Available

Lot Number: 21-SBL-121-1

Purity: 93%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Very Dark Brown to Black Solid	Black Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
UV Absorbance	Report Result	231 nm, 240 nm, 268 nm, 291 nm, 370 nm, 490 nm
FT-IR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 71.02, %H: 6.52, %N: 14.18

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	3/8/2022	3/6/2026

