



CERTIFICATE OF ANALYSIS

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1. Identification

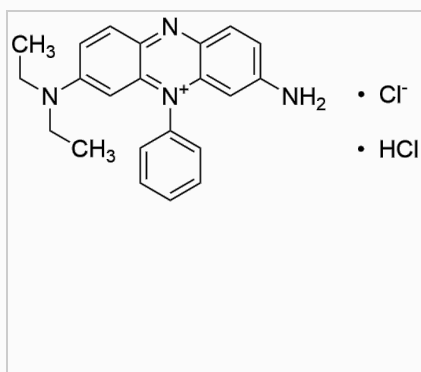
Catalogue Number: M236755

CAS Number: 4569-86-2

Product: Methylene Violet 3RAX (~90%)

Synonym: 3-Amino-7-(diethylamino)-5-phenylphenazin-5-ium Chloride; C.I. 50206; Diethylsafranin; 3-Amino-7-diethylamino-5-phenylphenazinium Chloride;

Structure:



Molecular Formula:

C₂₂H₂₃N₄ • Cl

Molecular weight:

343.45 + (35.45)

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 21-SBL-29-1

Purity: ~90%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 58.01, %H: 4.95, %N: 12.21
Chloride Content	Report Result	16.2%
FT-IR	Conforms to Structure	Conforms
UV Absorbance	Report Result	203 nm, 233 nm, 273 nm, 554 nm
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Appearance	Very Dark Blue to Black Solid	Black Solid

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	2/9/2022	2/7/2026