

Certificate of Analysis

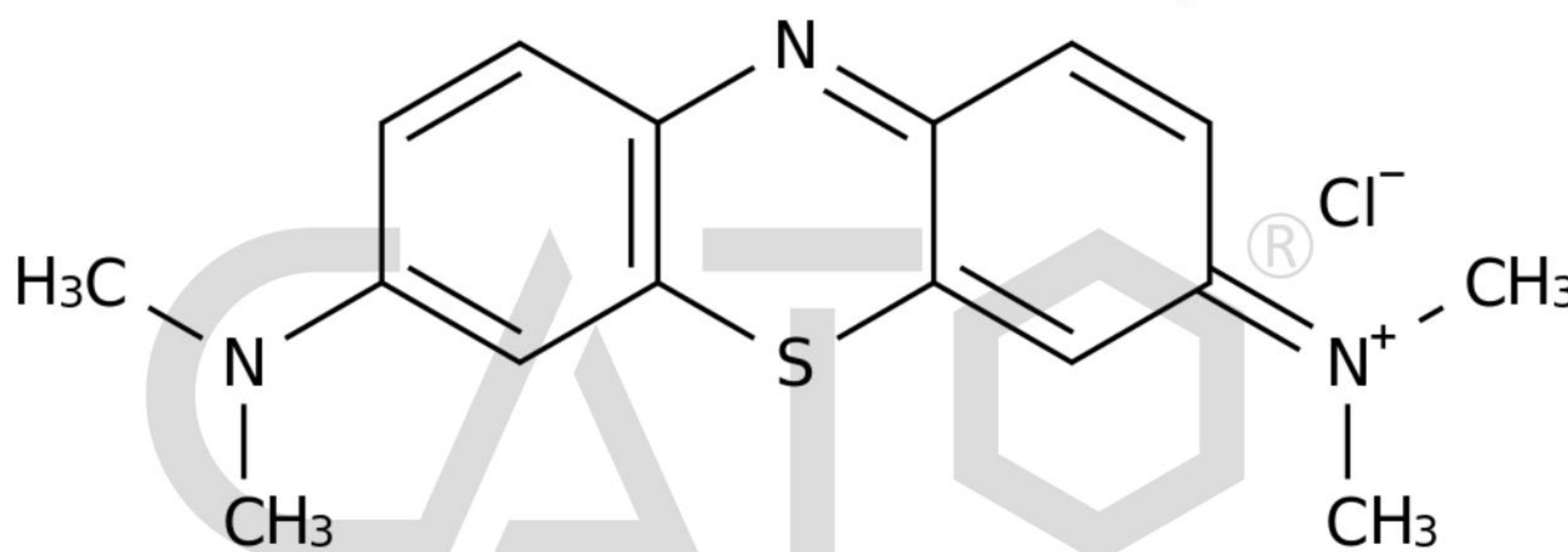
Reference Material & Standard

Product Name:	Methylene Blue	Catalogue Number:	CCHM704506
Synonyms:	N/A	Lot Number:	0922-RG-0118
CAS Number:	61-73-4	Expiry Date:	Sep 21, 2029
Molecular Formula:	C ₁₆ H ₁₈ N ₃ S Cl	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	284.40 35.45		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Dark Red Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.8%
Assay	qNMR	71.4%
Uncertainty		±4.1%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Sep 22, 2025

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