

Certificate of Analysis

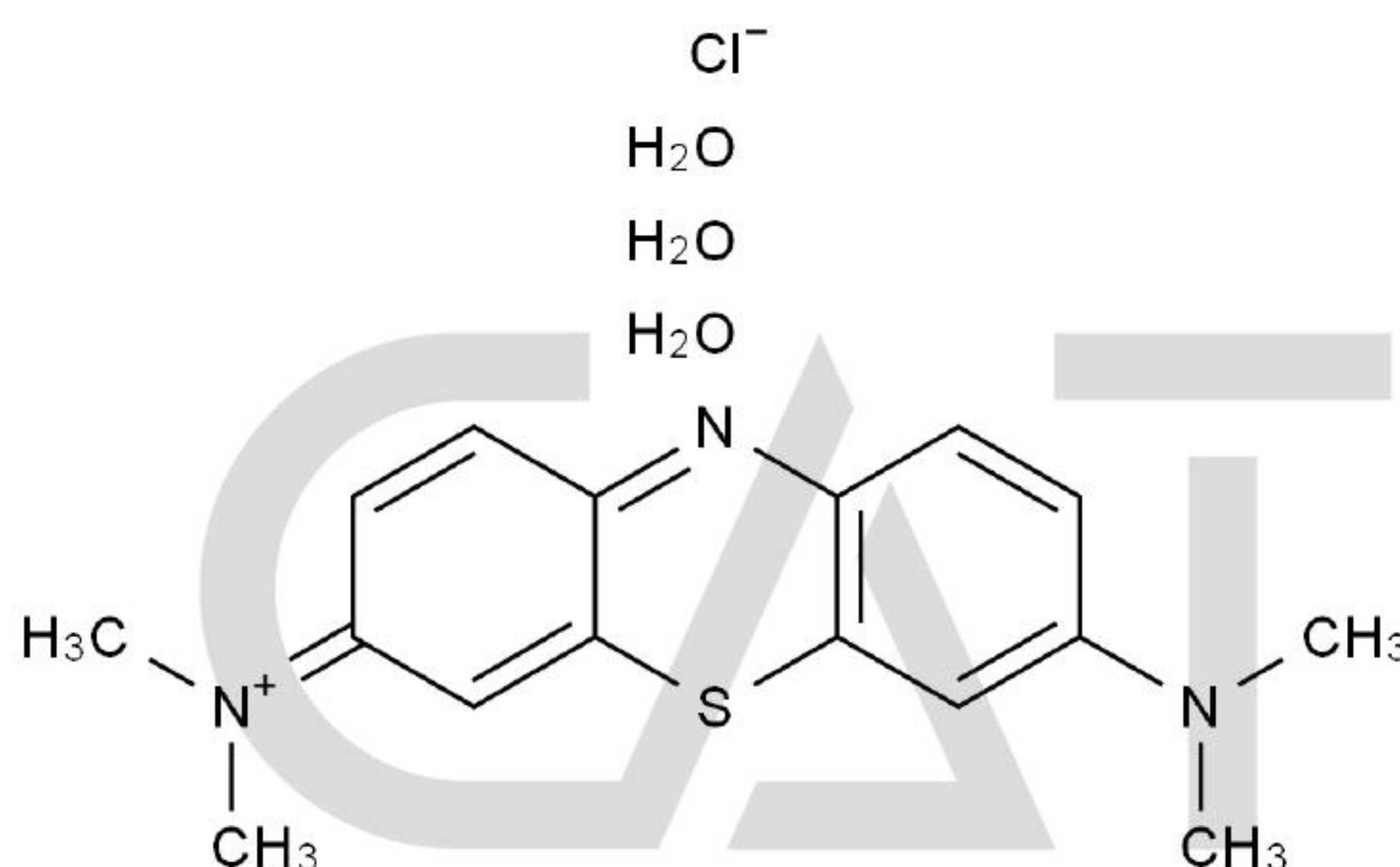
Reference Material & Standard

Product Name:	Methylene Blue Trihydrate	Catalogue Number:	CCAD300519
Synonyms:	N/A	Lot Number:	1114-RG-0034
CAS Number:	7220-79-3	Expiry Date:	Nov 19, 2029
Molecular Formula:	C ₁₆ H ₁₈ N ₃ S Cl 3*H ₂ O	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	284.40 35.45 3*18.02	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Dark Green Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.5%
Assay	qNMR	87.1%
Uncertainty		±2.3%

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:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Nov 20, 2025

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