

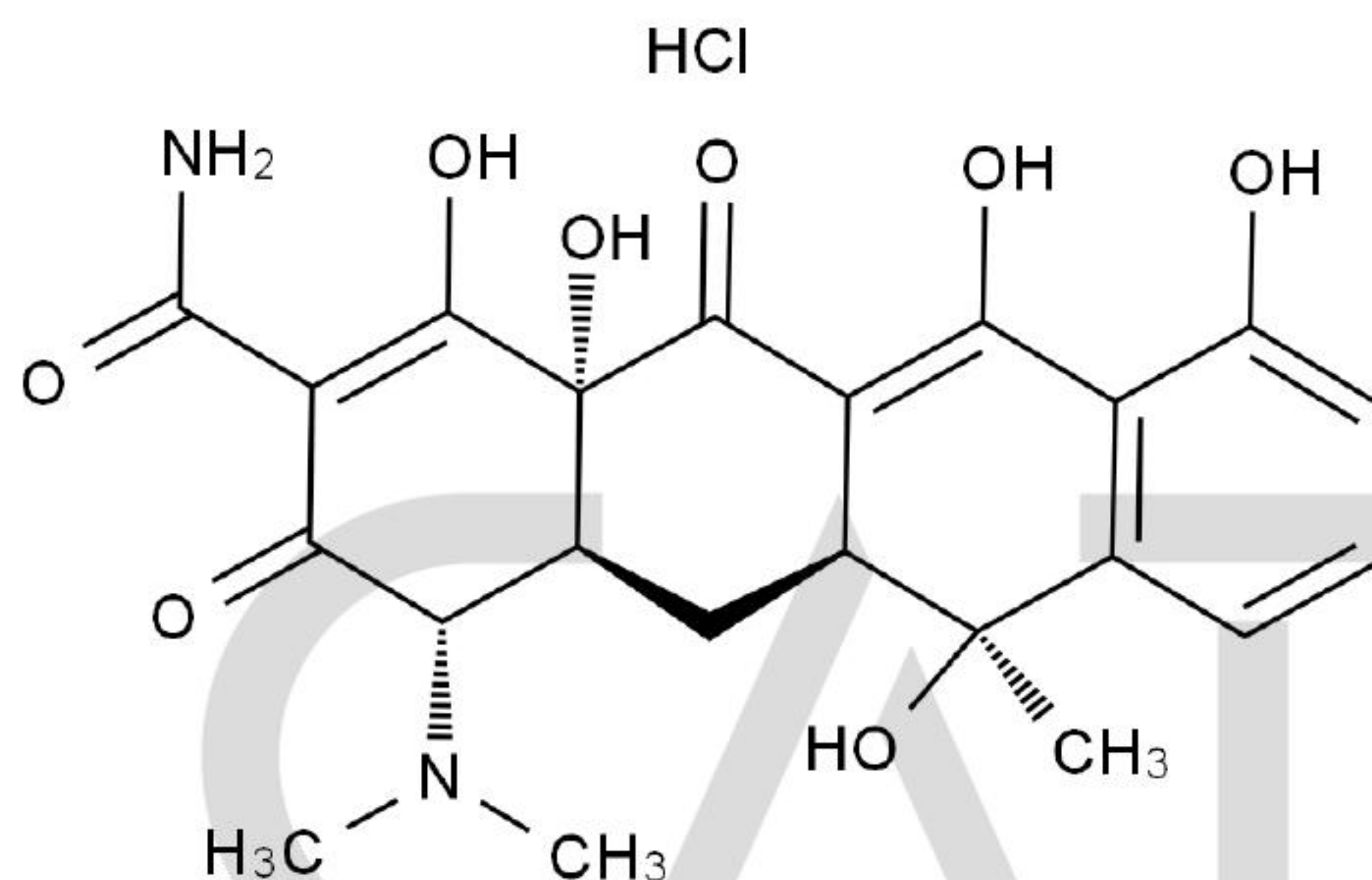
Certificate of Analysis

Reference Material & Standard

Product Name:	Tetracycline Hydrochloride	Catalogue Number:	CTTC210102
Synonyms:	N/A	Lot Number:	0212-RG-0010
CAS Number:	64-75-5	Expiry Date:	Feb 11, 2029
Molecular Formula:	C ₂₂ H ₂₄ N ₂ O ₈ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	444.43 36.46	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.2%
Assay	qNMR	96.8%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
2. 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:

Hinlam

Approved by General Manager:

David

Date: Feb 12, 2025

Date: Feb 12, 2025

Date: Feb 12, 2025

