

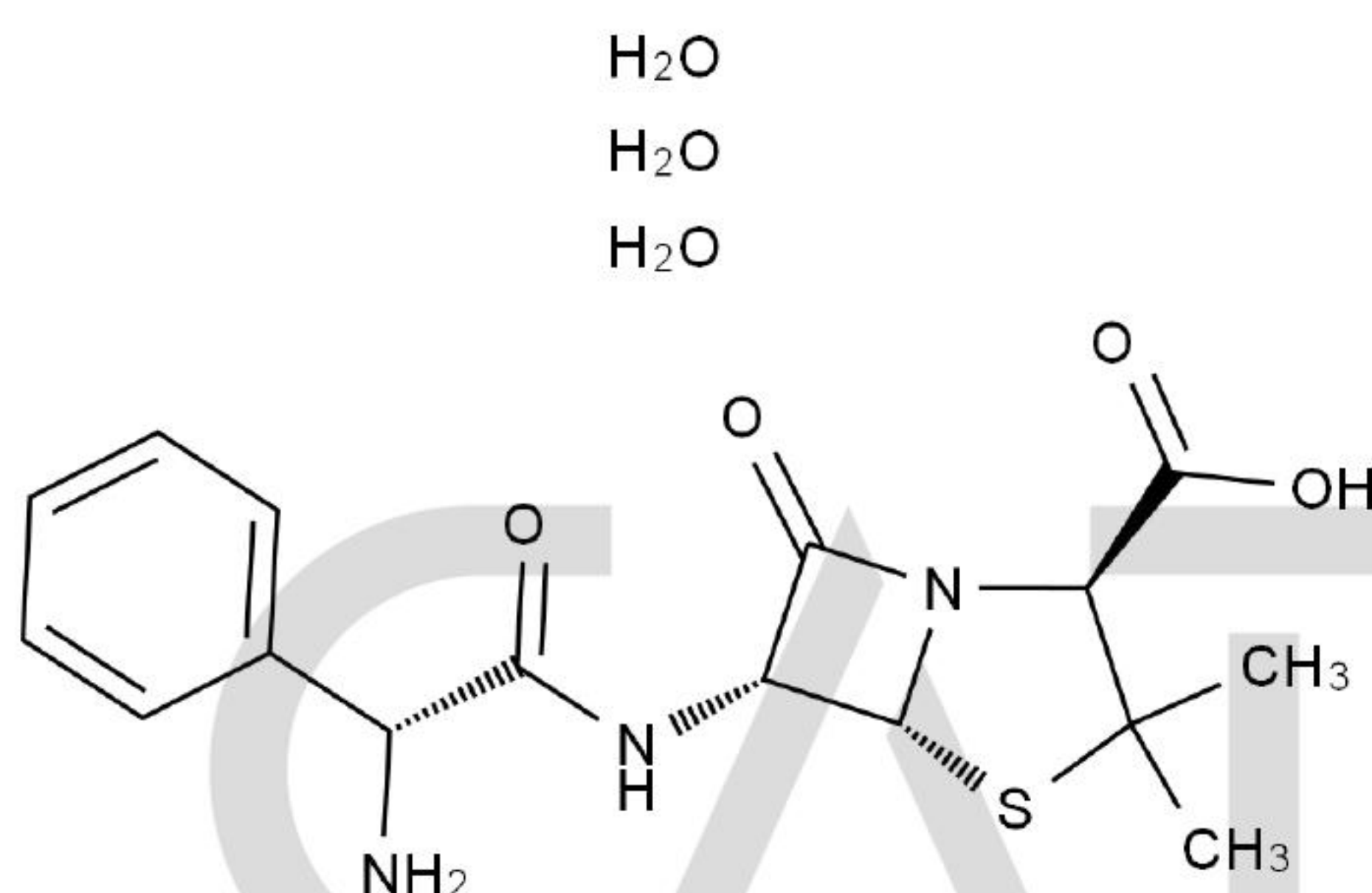
Certificate of Analysis

Reference Material & Standard

Product Name:	Ampicillin Trihydrate	Catalogue Number:	CCAD300067
Synonyms:	N/A	Lot Number:	0620-RG-0006
CAS Number:	7177-48-2	Expiry Date:	Jun 25, 2029
Molecular Formula:	C ₁₆ H ₁₉ N ₃ O ₄ S · 3H ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	349.40 · 3 · 18.02	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.4%
Assay	qNMR	96.2%
Uncertainty		±0.7%

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:

Lisa

Approved by General Manager:

David

Date: Jun 26, 2025

Date: Jun 26, 2025

Date: Jun 26, 2025

