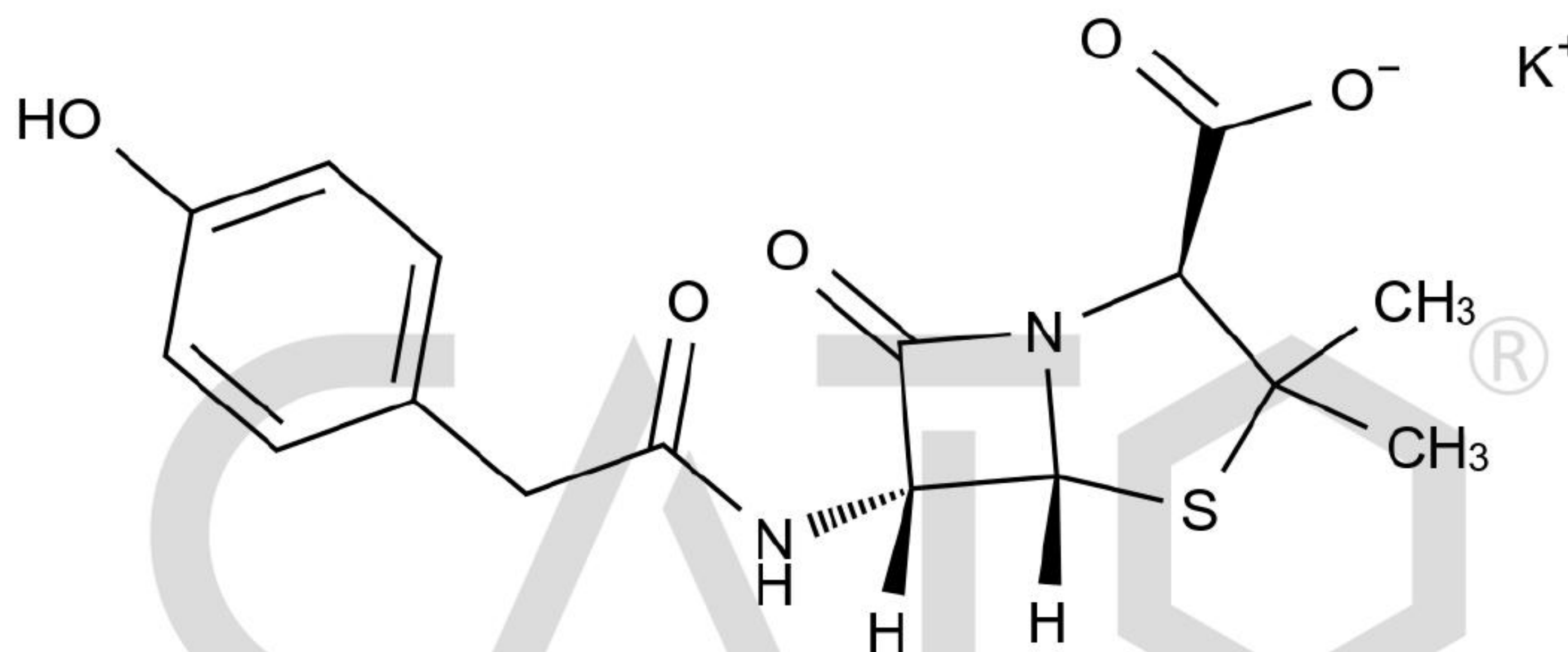


Certificate of Analysis

Reference Material & Standard

Product Name:	Benzylpenicillin EP Impurity C Potassium Salt	Catalogue Number:	C4X-189945
Synonyms:	N/A	Lot Number:	0811-RG-0113
CAS Number:	525-91-7 (free base)	Expiry Date:	Feb 18, 2028
Molecular Formula:	C ₁₆ H ₁₇ N ₂ O ₅ S K	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	349.38 39.10		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.0266%
Loss On Drying	TGA	4.215%
Assay		92.9%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Aug 12, 2025

Date: Aug 12, 2025

Date: Aug 12, 2025

