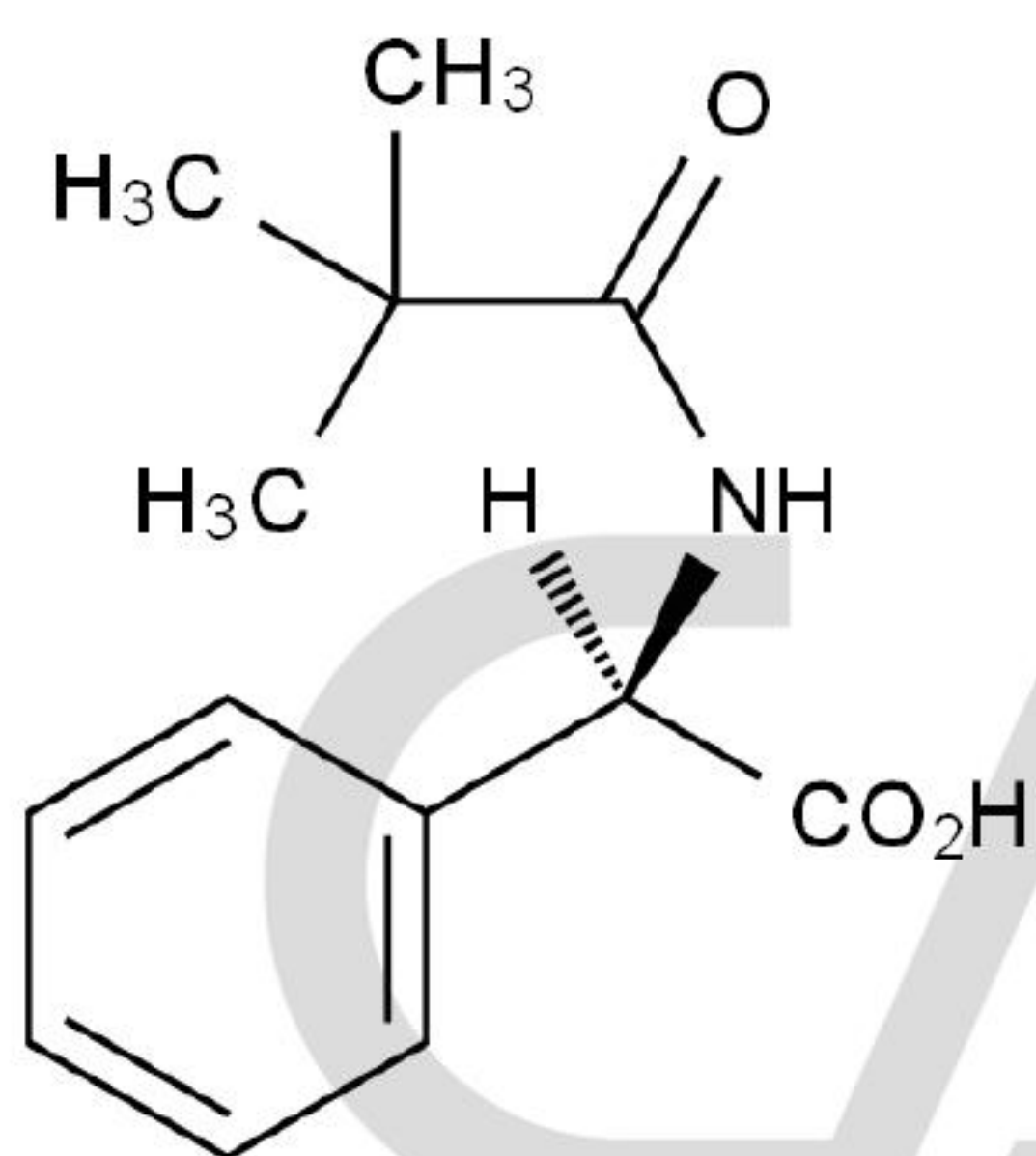


Certificate of Analysis

Reference Material & Standard

Product Name:	Ampicillin EP Impurity K	Catalogue Number:	C4X-144311
Synonyms:	N/A	Lot Number:	1105-RG-0048
CAS Number:	40610-41-1	Expiry Date:	Nov 09, 2029
Molecular Formula:	C ₁₃ H ₁₇ NO ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	235.28	Shipping Condition:	Shipping with Ice Packs
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	0.2464%
Assay		99.8%

Comment:

The calculation of the mass balance 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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Nov 10, 2025

Date: Nov 10, 2025

Date: Nov 10, 2025



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