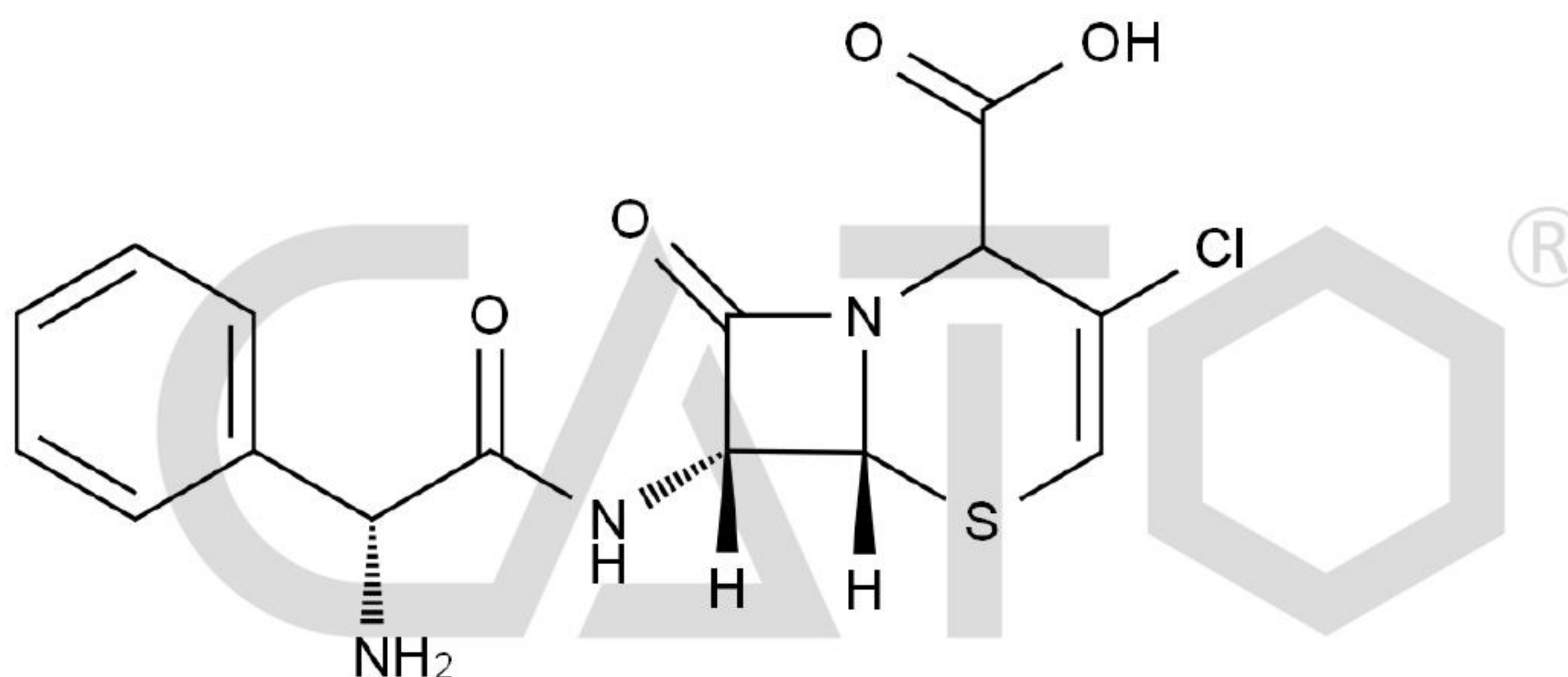


Certificate of Analysis

Reference Material & Standard

Product Name:	Cefaclor EP Impurity D (Mixture of Diastereomers)	Catalogue Number:	C4X-12704
Synonyms:	Cefaclor Delta-3 Isomer (Mixture of Diastereomers)	Lot Number:	1128-RG-0121
CAS Number:	152575-13-8	Expiry Date:	Nov 26, 2029
Molecular Formula:	C ₁₅ H ₁₄ ClN ₃ O ₄ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	367.81	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.336%
Residue on Ignition	TGA	0.6881%
Loss On Drying	TGA	5.1354%
Assay		90.7%

Comment:

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

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

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Dec 04, 2025

Date: Dec 04, 2025

Date: Dec 04, 2025



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