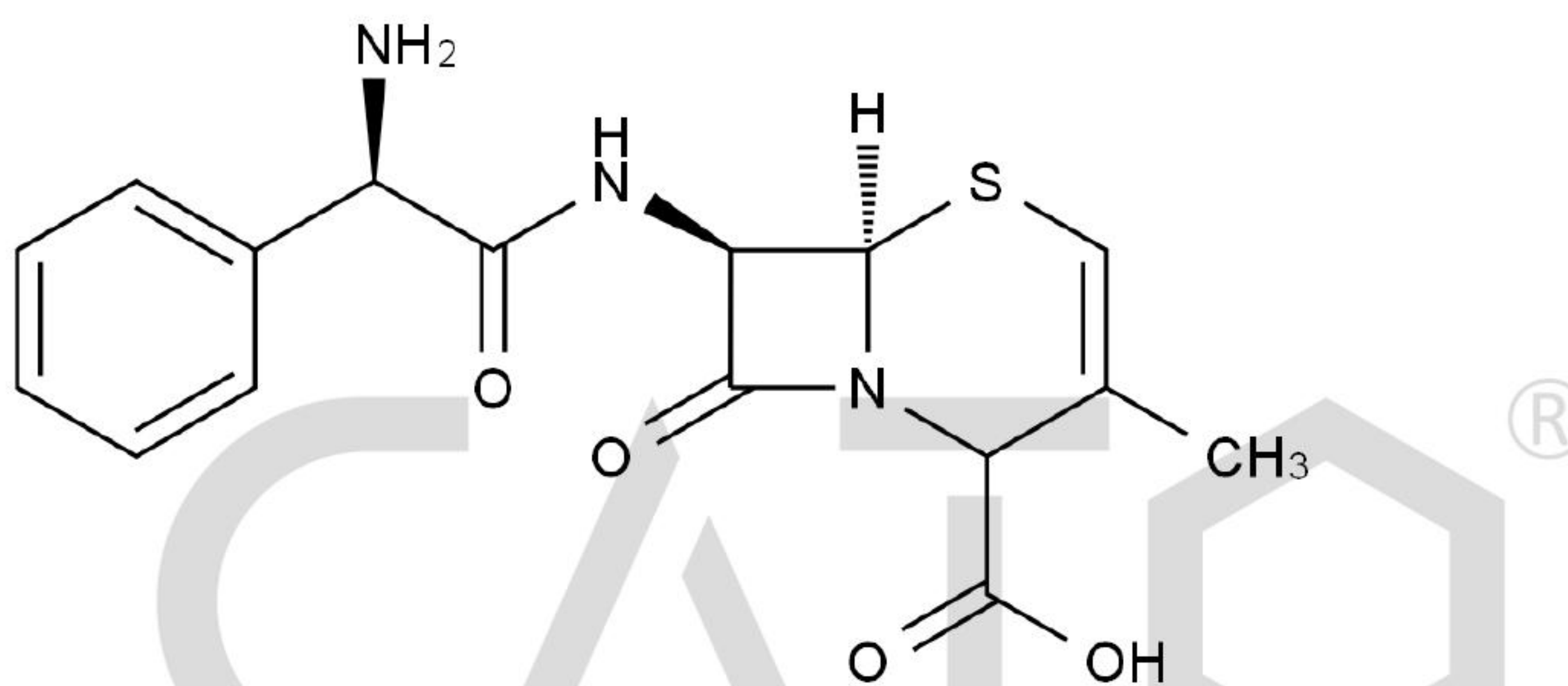


Certificate of Analysis

Reference Material & Standard

Product Name:	Cefalexin EP Impurity F	Catalogue Number:	C4X-12616
Synonyms:	N/A	Lot Number:	0424-RG-0103
CAS Number:	79750-46-2	Expiry Date:	Apr 28, 2028
Molecular Formula:	C ₁₆ H ₁₇ N ₃ O ₄ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	347.39		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.40%
Residue on Ignition	TGA	0.6979%
Loss On Drying	TGA	4.0413%
Assay		90.9%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

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: Apr 29, 2025

Date: Apr 30, 2025

Date: Apr 30, 2025

