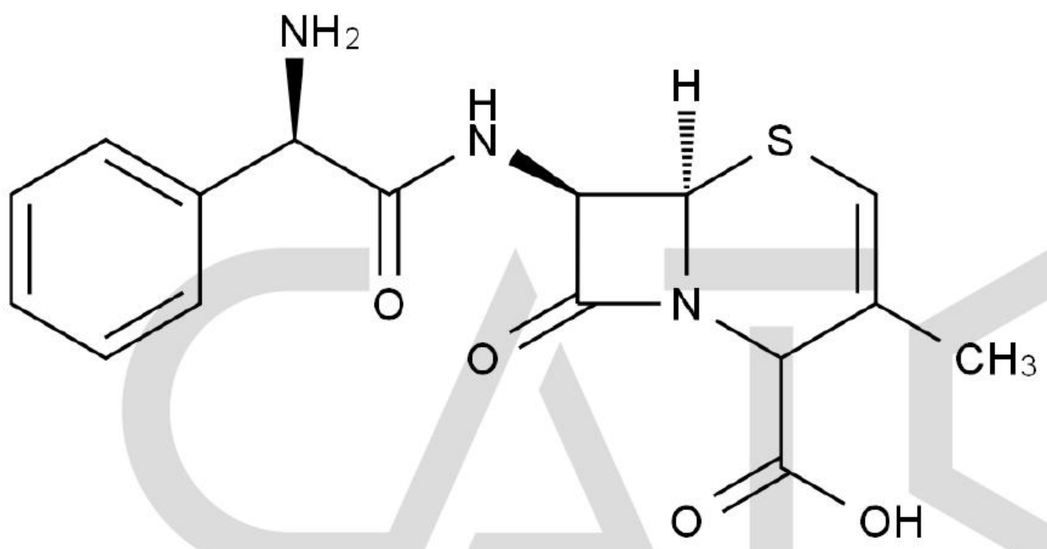
Certificate of Analysis

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:	$C_{16}H_{17}N_3O_4S$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	347.39	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



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

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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: Alice Date: Oct 09, 2026

Reviewed by: Koi Date: Oct 09, 2026

Approved by General Manager: David Date: Oct 09, 2026

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