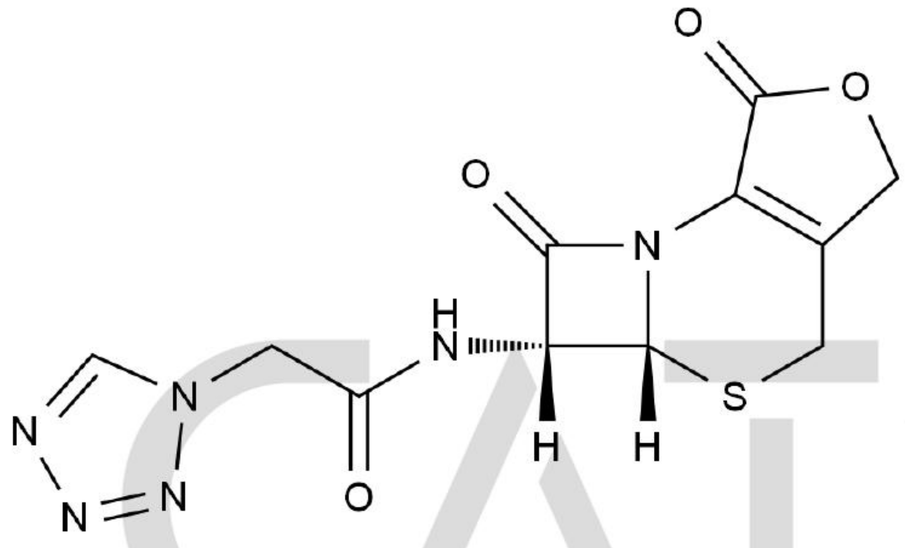
No.: 202503310129

Certificate of Analysis

Reference Material & Standard

Product Name:	Cefazolin EP Impurity G	**Catalogue Number:**	C4X-157721
Synonyms:	Cefazolin lactone	**Lot Number:**	0327-RG-0068
CAS Number:	1172998-53-6	**Expiry Date:**	Mar 26, 2028
Molecular Formula:	C11H10N6O4S	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	322.30		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.618%
Residue on Ignition	TGA	1.6594%
Loss On Drying	TGA	1.4357%
Assay		96.5%

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Comment:

The calculation of the 100% 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 Date: Apr 02, 2025

Reviewed by: Lisa Date: Apr 02, 2025

Approved by General Manager: David Date: Apr 02, 2025

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