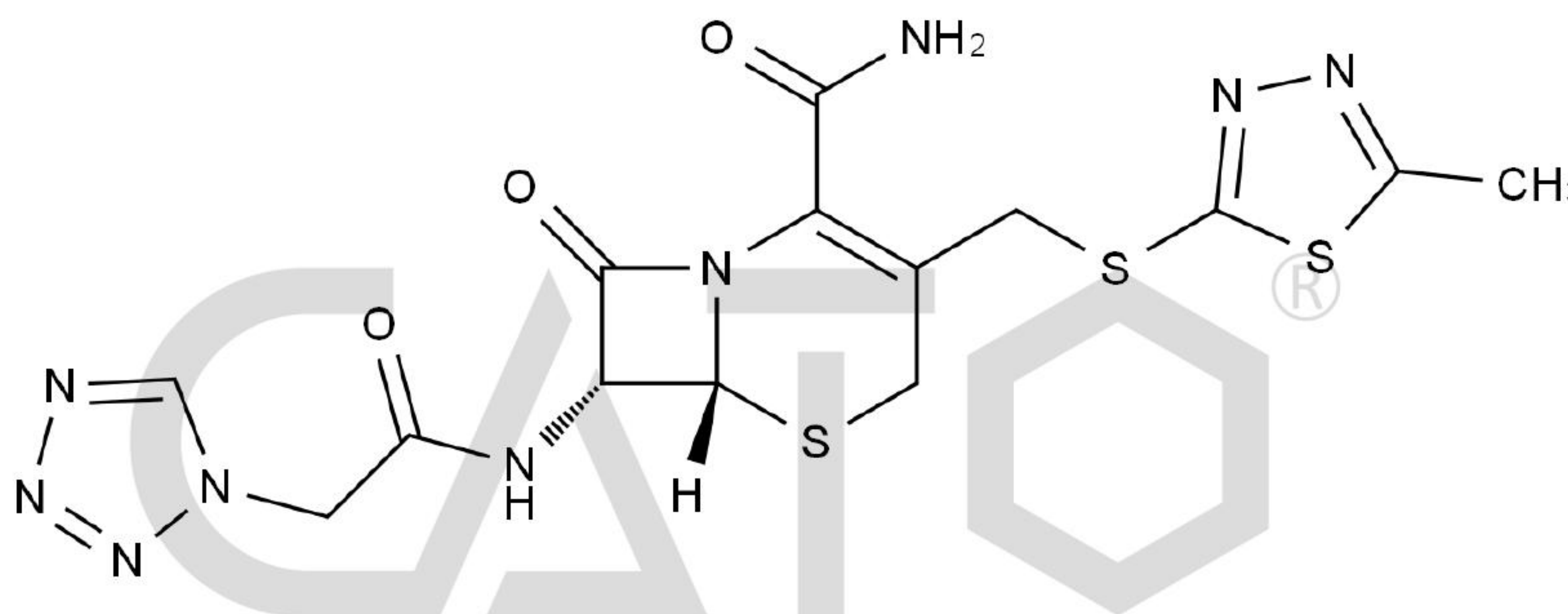


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                                              |                     |                                           |
|--------------------|------------------------------------------------------------------------------|---------------------|-------------------------------------------|
| Product Name:      | Cefazolin EP Impurity K                                                      | Catalogue Number:   | C4X-15779                                 |
| Synonyms:          | N/A                                                                          | Lot Number:         | 1222-RG-0154                              |
| CAS Number:        | 2410652-70-7                                                                 | Expiry Date:        | Jul 15, 2029                              |
| Molecular Formula: | C <sub>14</sub> H <sub>15</sub> N <sub>9</sub> O <sub>3</sub> S <sub>3</sub> | Storage:            | -20°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 453.52                                                                       | Shipping Condition: | Shipping with Ice Packs                   |

Chemical Structure:



| Test Items     | Method            | Results         |
|----------------|-------------------|-----------------|
| Appearance     | Visual inspection | Off-White Solid |
| Identification | LCMS&CNMR&HNMR    | Confirmed       |
| Purity         | HPLC              | 97.5%           |
| Assay          | qNMR              | 93.3%           |

Signature:

Prepared by:

*Hin Lam*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Dec 24, 2025

Date: Dec 24, 2025

Date: Dec 24, 2025



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