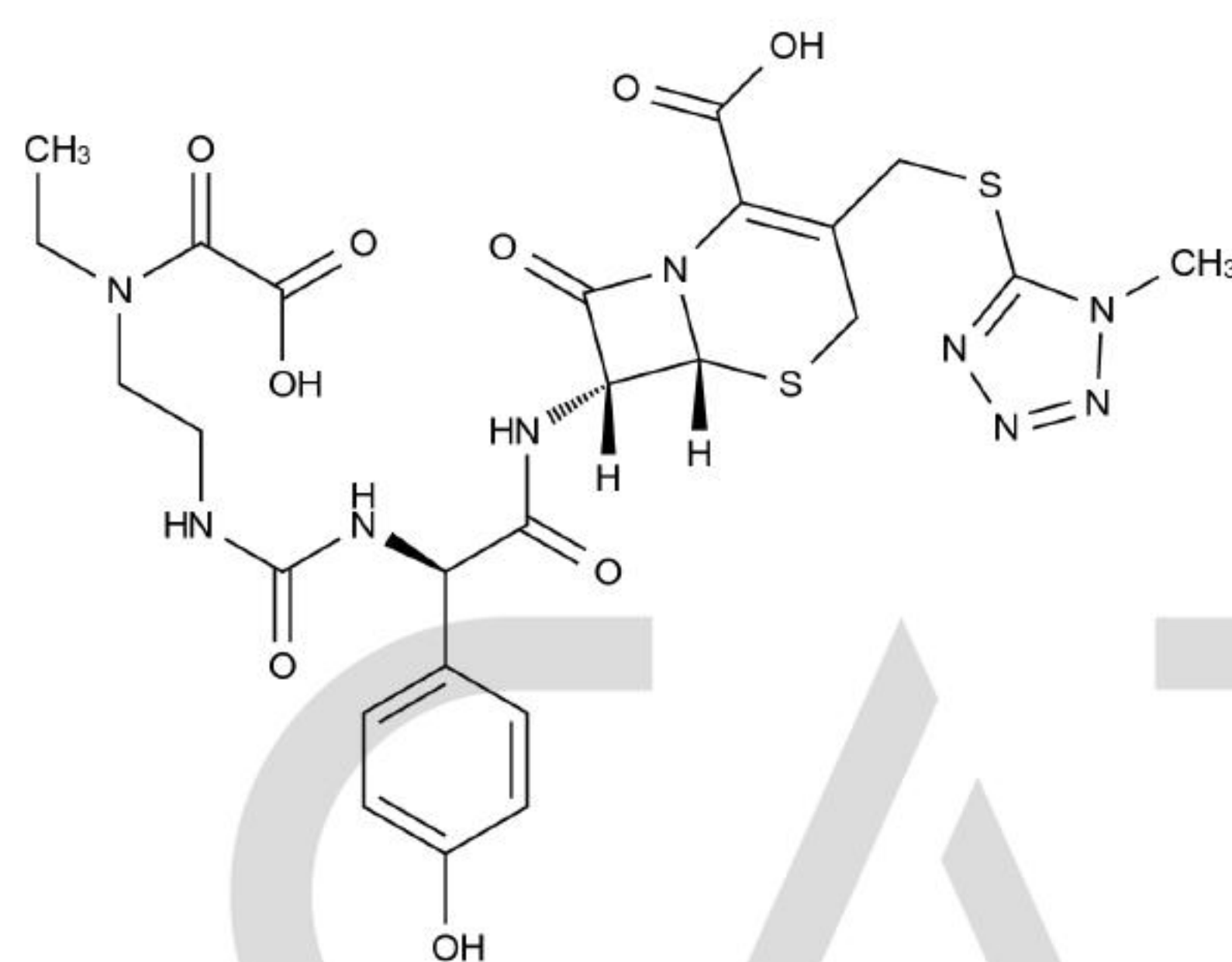


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                                              |                   |                                           |
|--------------------|------------------------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Cefoperazone Impurity 51                                                     | Catalogue Number: | C4X-114951                                |
| Synonyms:          | N/A                                                                          | Lot Number:       | 1217-RF-0086                              |
| CAS Number:        | 73240-07-0                                                                   | Expiry Date:      | Jul 19, 2026                              |
| Molecular Formula: | C <sub>25</sub> H <sub>29</sub> N <sub>9</sub> O <sub>9</sub> S <sub>2</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 663.68                                                                       |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 95.4%       |

Signature:

Prepared by:

*Lily*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Dec 20, 2024

Date: Dec 23, 2024

Date: Dec 23, 2024

