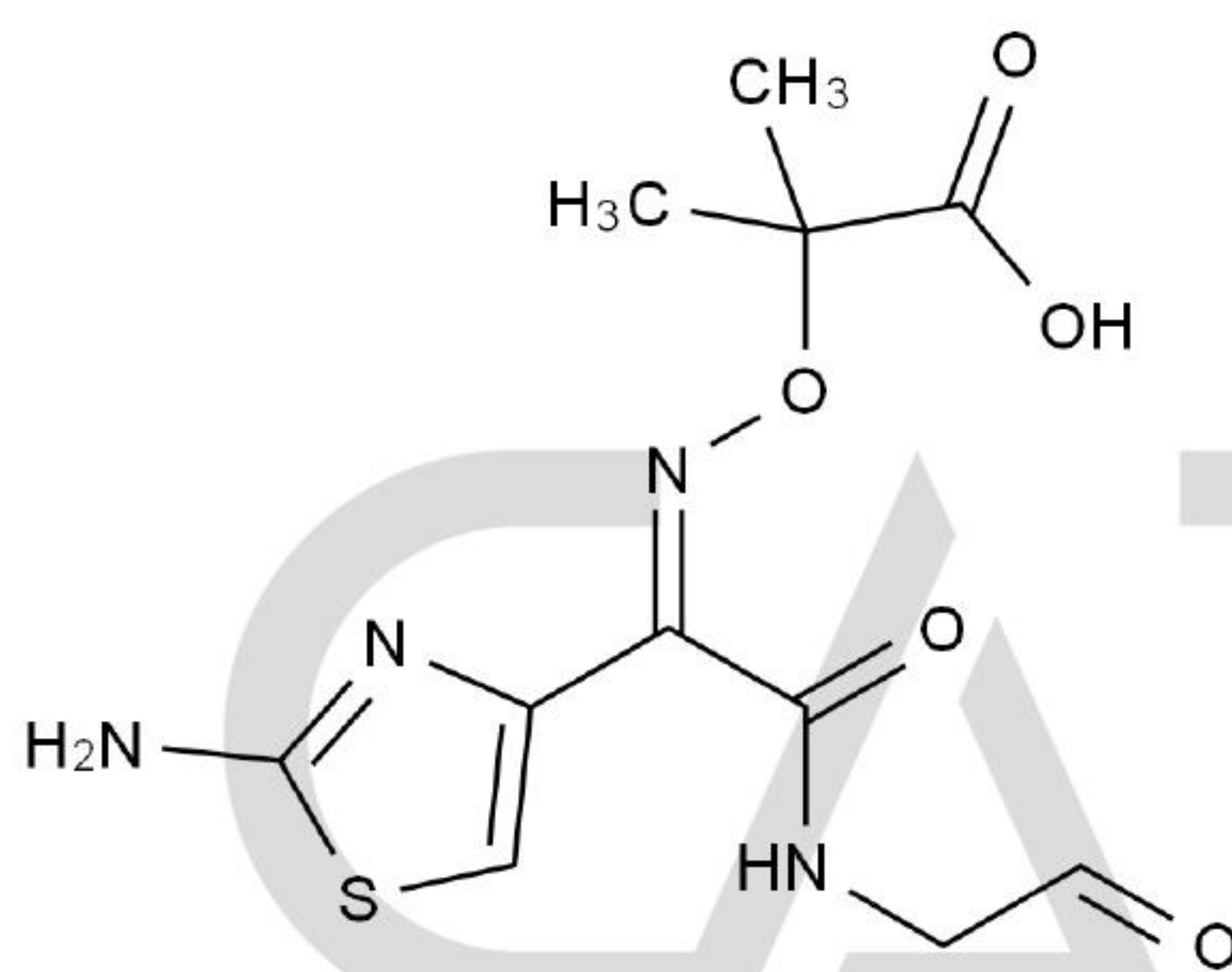


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                 |                            |                                           |
|---------------------------|-----------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Ceftazidime EP Impurity G                                       | <b>Catalogue Number:</b>   | C4X-12129                                 |
| <b>Synonyms:</b>          | N/A                                                             | <b>Lot Number:</b>         | 0513-RH-0051                              |
| <b>CAS Number:</b>        | 194241-83-3                                                     | <b>Expiry Date:</b>        | Sep 14, 2029                              |
| <b>Molecular Formula:</b> | C <sub>11</sub> H <sub>14</sub> N <sub>4</sub> O <sub>5</sub> S | <b>Storage:</b>            | -20°C±5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 314.32                                                          | <b>Shipping Condition:</b> | Shipping with Ice Packs                   |

Chemical Structure:



| Test Items          | Method               | Results           |
|---------------------|----------------------|-------------------|
| Appearance          | Visual inspection    | Pale Yellow Solid |
| Identification      | LCMS&IR&UV&CNMR&HNMR | Confirmed         |
| Purity              | HPLC                 | 93.873%           |
| Residue on Ignition | TGA                  | 2.9363%           |
| Loss on Drying      | TGA                  | 6.8617%           |
| Assay               |                      | 84.7%             |

## 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:

*Koi*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: May 13, 2026

Date: May 13, 2026

Date: May 13, 2026



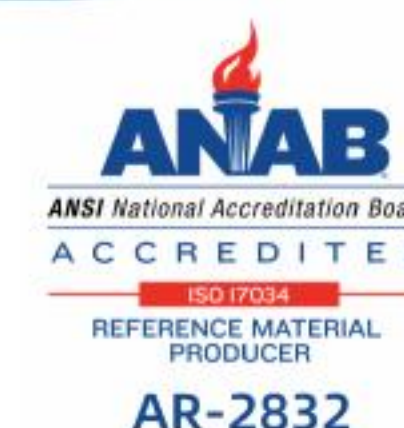
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