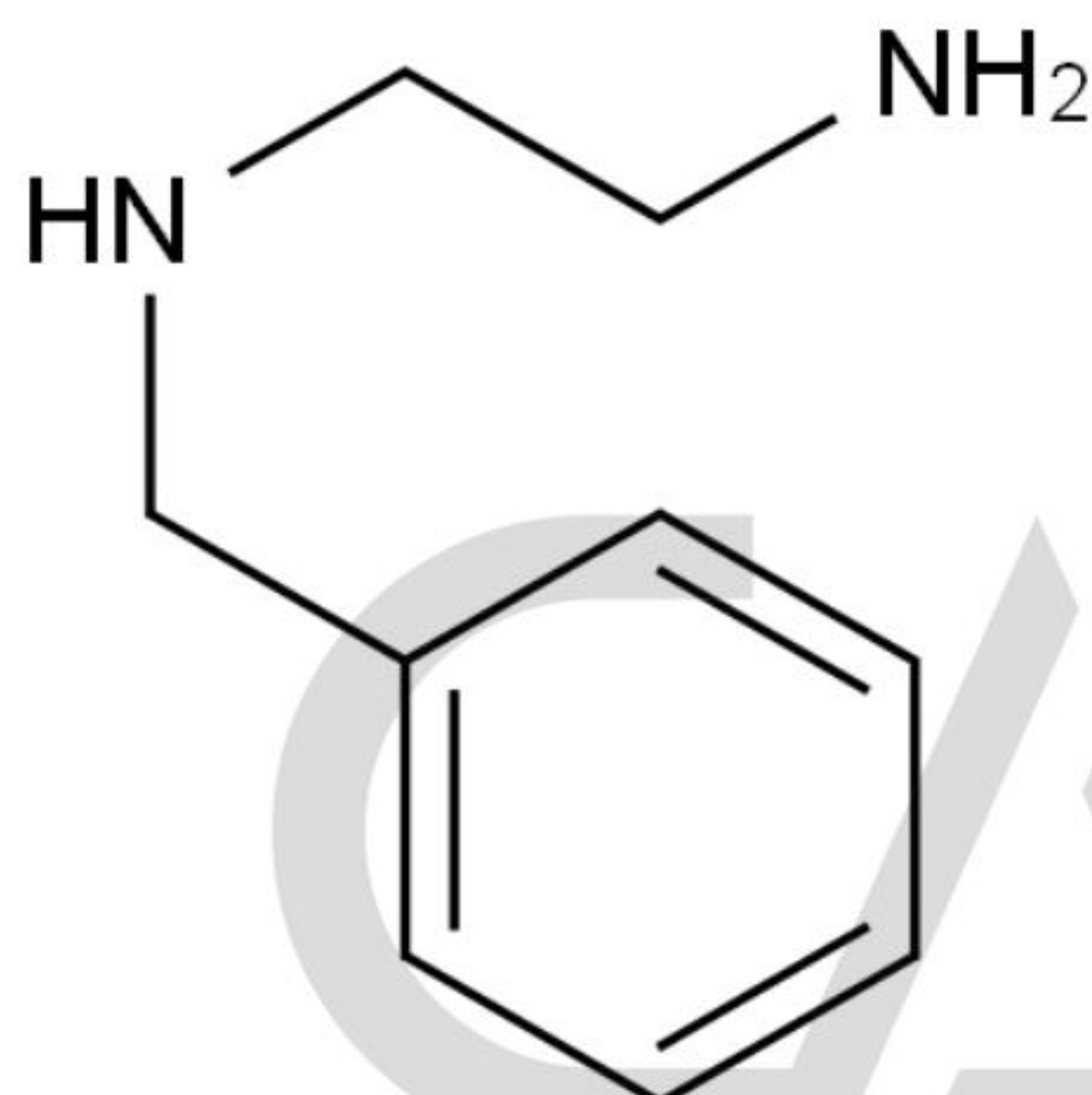


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                             |                            |                                           |
|---------------------------|-------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Benzylpenicillin (Benzathine)<br>Tetrahydrate EP Impurity A | <b>Catalogue Number:</b>   | C4X-189919                                |
| <b>Synonyms:</b>          | N/A                                                         | <b>Lot Number:</b>         | 0407-RG-0049                              |
| <b>CAS Number:</b>        | 4152-09-4                                                   | <b>Expiry Date:</b>        | Apr 06, 2028                              |
| <b>Molecular Formula:</b> | C <sub>9</sub> H <sub>14</sub> N <sub>2</sub>               | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 150.22                                                      | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

Chemical Structure:



| Test Items     | Method            | Results           |
|----------------|-------------------|-------------------|
| Appearance     | Visual inspection | Colourless Liquid |
| Identification | LCMS&HNMR         | Confirmed         |
| Purity         | HPLC              | 97.3%             |
| Assay          | qNMR              | 94.3%             |

## Comment:

Assay was determined by quantitative <sup>1</sup>H-NMR.

Signature:

Prepared by:

*Nice*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Apr 07, 2025

Date: Apr 07, 2025

Date: Apr 07, 2025



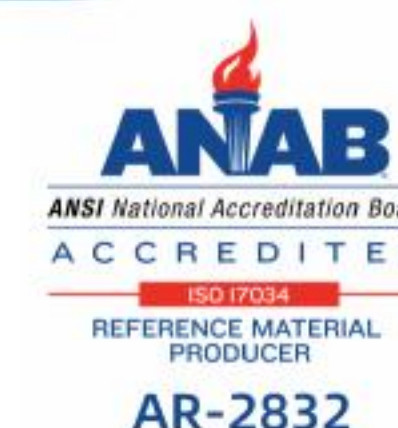
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