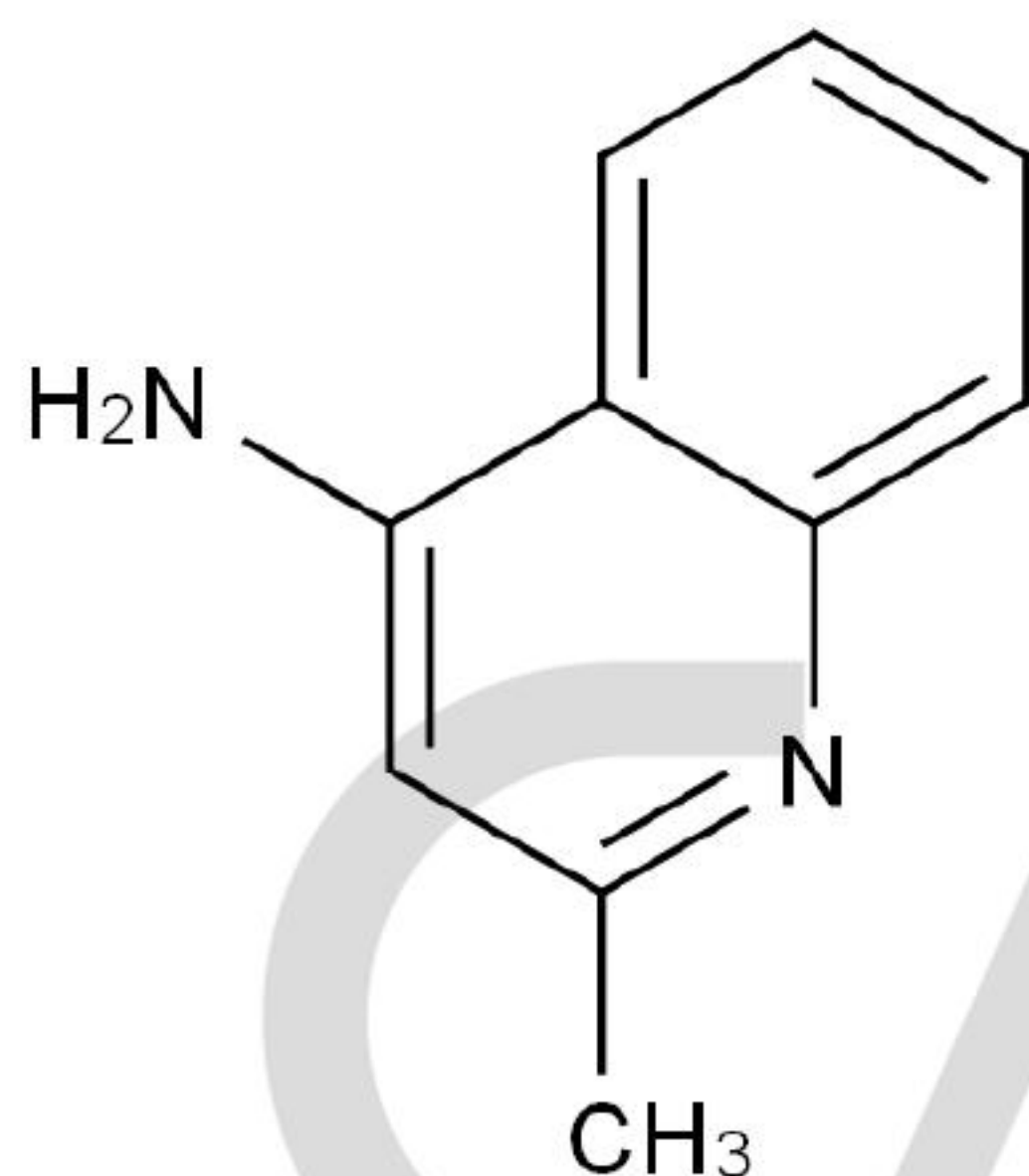


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                |                          |                                                                                     |
|---------------------------|------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| <b>Product Name:</b>      | Dequalinium EP Impurity A                      | <b>Catalogue Number:</b> | C4X-19361                                                                           |
| <b>Synonyms:</b>          | N/A                                            | <b>Lot Number:</b>       | 0523-RG-0075                                                                        |
| <b>CAS Number:</b>        | 6628-04-2                                      | <b>Expiry Date:</b>      | May 22, 2028                                                                        |
| <b>Molecular Formula:</b> | C <sub>10</sub> H <sub>10</sub> N <sub>2</sub> | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed                                           |
| <b>Molecular Weight:</b>  | 158.20                                         | <b>Warning:</b>          |  |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 99.718%     |
| Loss On Drying | TGA               | 8.345%      |
| Assay          |                   | 91.4%       |

## Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

## Signature:

Prepared by:

*Koi*

Reviewed by:

*Hinlam*

Approved by General Manager:

*David*

Date: May 23, 2025

Date: May 23, 2025

Date: May 23, 2025

