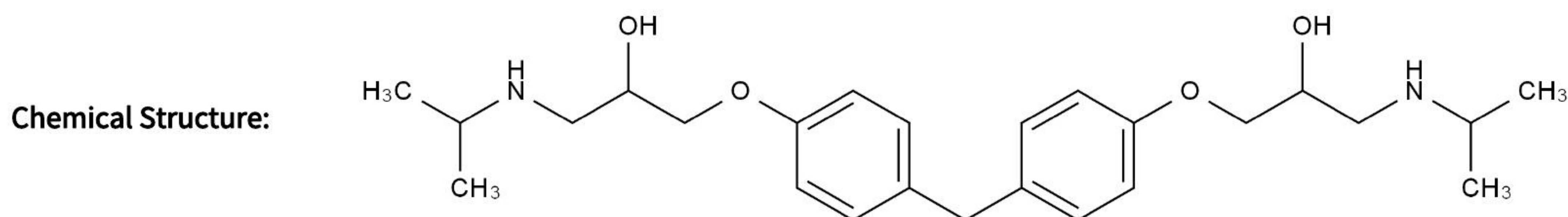


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                               |                   |                                           |
|--------------------|---------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Bisoprolol EP Impurity C                                      | Catalogue Number: | C4X-12473                                 |
| Synonyms:          | N/A                                                           | Lot Number:       | 0228-RH-0089                              |
| CAS Number:        | 1225195-70-9                                                  | Expiry Date:      | Feb 27, 2030                              |
| Molecular Formula: | C <sub>25</sub> H <sub>38</sub> N <sub>2</sub> O <sub>4</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 430.58                                                        |                   |                                           |
| Solubility:        | Acetonitrile                                                  |                   |                                           |



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 95.558%     |
| Loss on Drying | TGA               | 0.2767%     |
| Assay          |                   | 95.3%       |

## Comment:

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

Assay (%) = (100% - Loss on Drying) \* Purity HPLC (%) / 100%

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

## Signature:

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Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Apr 07, 2026

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Date: Apr 07, 2026



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