

# CERTIFICATE OF ANALYSIS

(Certificate No. KMB009002-01)

Release Date: 20/06/2023

Re-test Date: 19/06/2026

## Bisoprolol Impurity K

### Identification

**Chemical Name :**

2-isopropoxyethyl 4-(2-hydroxy-3-(isopropylamino)propoxy)benzoate

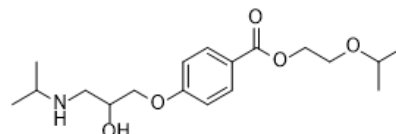
**Alt. Name** : Bisoprolol USP Related Compound F

**CAT No.** : KMB009002

**CAS No.** : 864544-37-6

**Molecular Formula** : C<sub>18</sub>H<sub>29</sub>NO<sub>5</sub>

**Molecular Weight** : 339.43



### Analytical Information

**Batch No.** : BIS-EPK-045-176

**Solubility** : Acetonitrile

**Description** : White Solid

**Mass** : Confirm

**HPLC Purity** : 99.19 %

**IR** : Confirm

**Weight Loss By TGA** : 0.10 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 99.09 %

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be shipped at room temperature

**% Potency** = [100 - 0.10(Weight Loss By TGA)] x [99.19(HPLC Purity)]/100 = 99.09 %

-Re-tested on 28.05.2025

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		29/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		29/05/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA