

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KML024013-01)

**Release Date:** 01/05/2025

**Re-test Date:** 30/04/2028

## **Lidocaine EP Impurity A**

### **Identification**

**Chemical Name :**  
2,6-Dimethylaniline (as per EP)

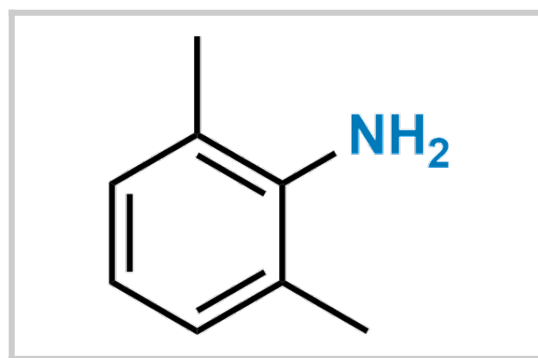
**Alt. Name** : Bupivacaine EP Impurity F ;  
Lidocaine USP Impurity A

**CAT No.** : KML024013

**CAS No.** : 87-62-7

**Molecular Formula** : C<sub>8</sub>H<sub>11</sub>N

**Molecular Weight** : 121.2



### **Analytical Information**

**Batch No.** : L024013-102-003

**Description** : Light Brown Liquid

**HPLC Purity** : 99.95 %

**Weight Loss By TGA** : 3.18 %

**% Potency** : 96.77 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

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

### **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 - 3.18(Weight Loss By TGA)] x [99.95(HPLC Purity)]/100 = 96.77 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		03/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		03/05/2025

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