

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KML024021-01)

**Release Date:** 22/01/2025

**Re-test Date:** 21/01/2028

## **Lidocaine EP Impurity H**

### **Identification**

**Chemical Name :**

2-Chloro-N-(2,6-dimethylphenyl)acetamide (as per EP)

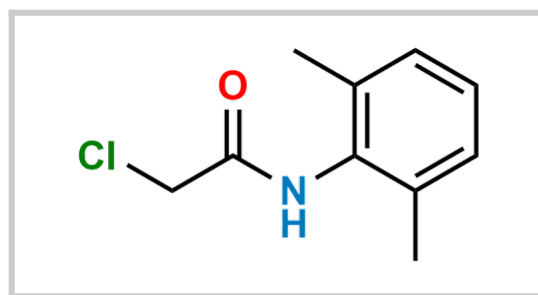
**Alt. Name** : Lidocaine USP Related Compound H

**CAT No.** : KML024021

**CAS No.** : 1131-01-7

**Molecular Formula** : C<sub>10</sub>H<sub>12</sub>ClNO

**Molecular Weight** : 197.7



### **Analytical Information**

**Batch No.** : L024021-091-172

**Solubility** : Acetonitrile

**Description** : Off White Solid

**Mass** : Confirm

**HPLC Purity** : 99.98 %

**IR** : Confirm

**Weight Loss By TGA** : 0.15 %

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

**% Potency** : 99.83 %

### **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 - 0.15(Weight Loss By TGA)] x [99.98(HPLC Purity)]/100 = 99.83 %

**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