

# CERTIFICATE OF ANALYSIS

(Certificate No. KMP010035-01)

**Release Date:** 12/03/2025

**Re-test Date:** 11/03/2028

## **4-Chloroacetanilide**

### Identification

**Chemical Name :**  
N-(4-chlorophenyl)acetamide

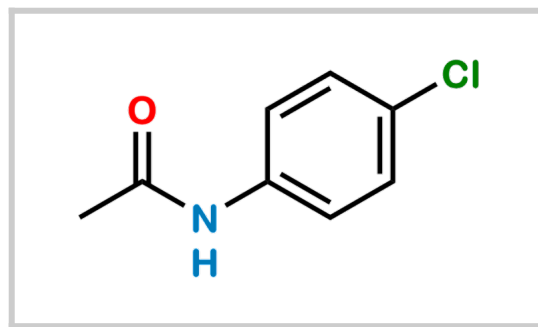
**Alt. Name** : Acetaminophen USP Related  
Compound J ; Chloroacetanilide (EP)

**CAT No.** : KMP010035

**CAS No.** : 539-03-7

**Molecular Formula** : C<sub>8</sub>H<sub>8</sub>ClNO

**Molecular Weight** : 169.6



### Analytical Information

**Batch No.** : P010035-091-268

**Description** : Off White Solid

**HPLC Purity** : 99.95 %

**Weight Loss By TGA** : 0.57 %

**% Potency** : 99.38 %

**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 - 0.57(Weight Loss By TGA)] x [99.95(HPLC Purity)]/100 = 99.38 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		07/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		07/04/2025

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