

# CERTIFICATE OF ANALYSIS

(Certificate No. KMP010028-01)

Release Date: 04/03/2025

Re-test Date: 03/03/2028

## Paracetamol EP Impurity C

### Identification

**Chemical Name :**

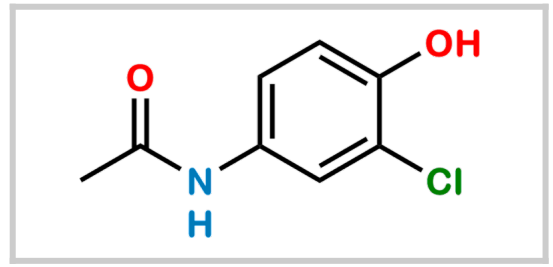
4-Acetylamino-2-chlorophenol ; N-(3-chloro-4-hydroxyphenyl)acetamide

CAT No. : KMP010028

CAS No. : 3964-54-3

Molecular Formula : C<sub>8</sub>H<sub>8</sub>ClNO<sub>2</sub>

Molecular Weight : 185.6



### Analytical Information

Batch No. : P010028-091-240

Description : Off White Solid

HPLC Purity : 96.64 %

Weight Loss By TGA : 0.83 %

% Potency : 95.84 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

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

<sup>13</sup>C 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 - 0.83(Weight Loss By TGA)] x [96.64(HPLC Purity)]/100 = 95.84 %

Recommendation : Released

|                        | Department      | Name          | Signature | Date       |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By            | Analytical      | Jignesh Patel |           | 04/03/2025 |
| Reviewed & Approved By | Quality Control | Ravi Patel    |           | 04/03/2025 |

Attachments : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA