

CERTIFICATE OF ANALYSIS

(Certificate No. KMP010029-01)

Release Date: 25/05/2026

Re-test Date: 24/05/2029

Paracetamol EP Impurity D

Identification

Chemical Name :
N-phenylacetamide

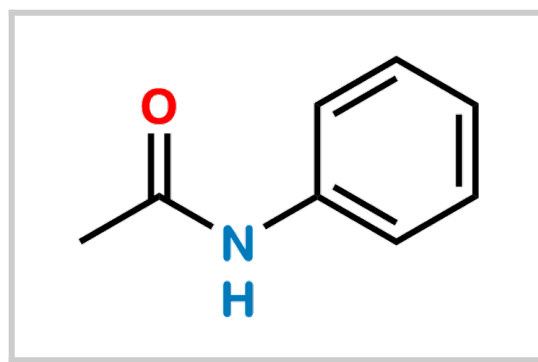
Alt. Name : Acetaminophen USP Related
Compound D ; Acetanilide ;
Acetylaniline

CAT No. : KMP010029

CAS No. : 103-84-4

Molecular Formula : C₈H₉NO

Molecular Weight : 135.2



Analytical Information

Batch No. : P010029-114-334

Description : Off White Solid

HPLC Purity : 99.55 %

Weight Loss By TGA : 0.27 %

% Potency : 99.28 %

Solubility : ACN

Mass : Confirm

IR : Confirm

¹H 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 - 0.27(Weight Loss By TGA)] x [99.55(HPLC Purity)]/100 = 99.28 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		25/05/2026
Reviewed & Approved By	Quality Control	Jatin Patel		25/05/2026

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA