

# CERTIFICATE OF ANALYSIS

(Certificate No. KMP010031-01)

**Release Date:** 18/12/2025

**Re-test Date:** 17/12/2028

## **4-Nitrophenol**

### Identification

**Chemical Name :**  
4-nitrophenol

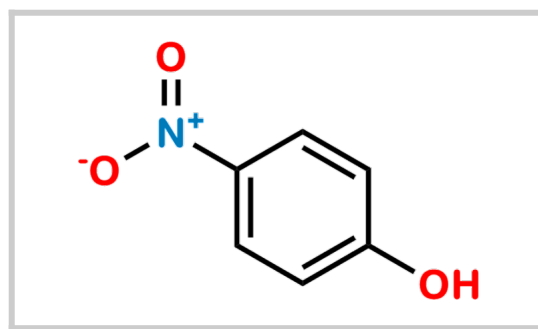
**Alt. Name** : Acetaminophen USP Related  
Compound F ; p-nitrophenol

**CAT No.** : KMP010031

**CAS No.** : 100-02-7

**Molecular Formula** : C<sub>6</sub>H<sub>5</sub>NO<sub>3</sub>

**Molecular Weight** : 139.1



### Analytical Information

**Batch No.** : P010031-114

**Solubility** : Methanol

**Description** : Off white Solid Crystal

**Mass** : Confirm

**HPLC Purity** : NLT 95.1 %

**IR** : Confirm

**Weight Loss By TGA** : NLT 0.1 %

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

**% Potency** : 95 %

### 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 - 0.1(Weight Loss By TGA)] x [95.1(HPLC Purity)]/100 = 95 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/12/2025
Reviewed & Approved By	Quality Control	Jatin Patel		18/12/2025

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