

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA020009-01)

Release Date: 10/03/2025

Re-test Date: 09/03/2028

## Hypoxanthine

### Identification

**Chemical Name :**  
1,7-dihydro-6H-purin-6-one (as per USP)

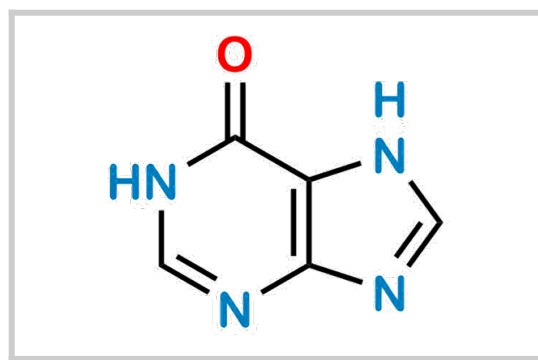
**Alt. Name** : Hypoxanthine (EP)

**CAT No.** : KMA020009

**CAS No.** : 68-94-0

**Molecular Formula** : C<sub>5</sub>H<sub>4</sub>N<sub>4</sub>O

**Molecular Weight** : 136.1



### Analytical Information

**Batch No.** : MER-HYP-011-171

**Description** : Off White Solid

**HPLC Purity** : 99.91 %

**Weight Loss By TGA** : 0.14 %

**% Potency** : 99.77 %

**Solubility** : DMSO

**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 - 0.14(Weight Loss By TGA)] x [99.91(HPLC Purity)]/100 = 99.77 %  
-Re-tested on 10.03.2025

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		10/03/2025
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		10/03/2025

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