

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMA022003-01)

**Release Date:** 06/06/2025

**Re-test Date:** 05/06/2028

## **Allopurinol Impurity A**

### **Identification**

**Chemical Name :**

5-Amino-1H-pyrazole-4-carboxamide

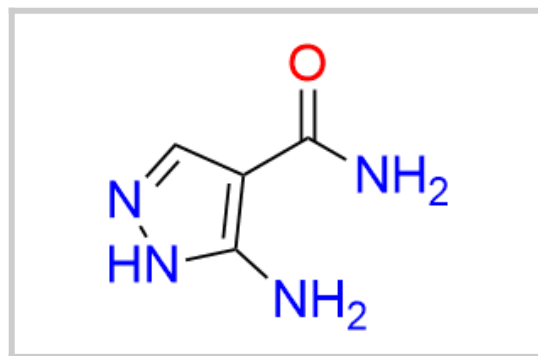
**Alt. Name** : Allopurinol USP Related Compound A

**CAT No.** : KMA022003

**CAS No.** : 5334-31-6

**Molecular Formula** : C<sub>4</sub>H<sub>6</sub>N<sub>4</sub>O

**Molecular Weight** : 126.1



### **Analytical Information**

**Batch No.** : A022003-102-053

**Description** : Brown Solid

**HPLC Purity** : 97.18 %

**Weight Loss By TGA** : 1.76 %

**% Potency** : 95.47 %

**Solubility** : Water : Methanol  
(9:1)

**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 - 1.76(Weight Loss By TGA)] x [97.18(HPLC Purity)]/100 = 95.47 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		30/11/2025
Reviewed & Approved By	Quality Control	Jatin Patel		30/11/2025

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