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

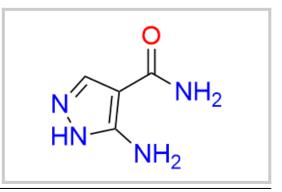
Alt. Name : Allopurinol USP Related Compound A

CAT No. : KMA022003

CAS No. : 5334-31-6

Molecular Formula : C4H6N4O

Molecular Weight : 126.1



Analytical Information

Batch No. : A022003-102-053 **Solubility** : Water : Methanol

(9:1)

Description : Brown Solid

: Confirm Mass **HPLC Purity** : 97.18 % IR : Confirm

Weight Loss By TGA : 1.76 % : Confirm

1H NMR % Potency : 95.47 %

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

: Product is stable to be Shipped at Room Temperature **Shipping Condition**

% 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		07/06/2025
Reviewed & Approved By	Quality Control	Jatin Patel		07/06/2025

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA