

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

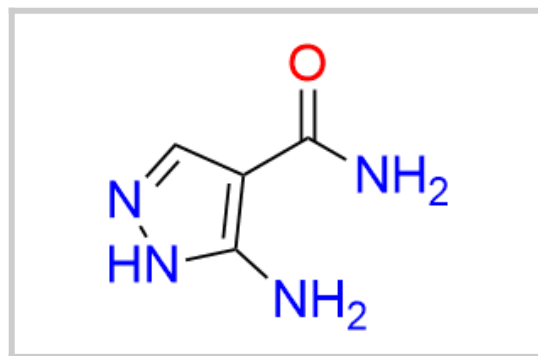
Alt. Name : Allopurinol USP Related Compound A

CAT No. : KMA022003

CAS No. : 5334-31-6

Molecular Formula : C₄H₆N₄O

Molecular Weight : 126.1



Analytical Information

Batch No. : A022003-102-053

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

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 - 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