CERTIFICATE OF ANALYSIS

(Certificate No. KMA022006-01)

Release Date: 25/01/2025 **Re-test Date:** 24/01/2028

Allopurinol Impurity D

Identification

Chemical Name :
Ethyl 5-amino-1H-pyrazole-4-carboxylate (as per EP & USP)

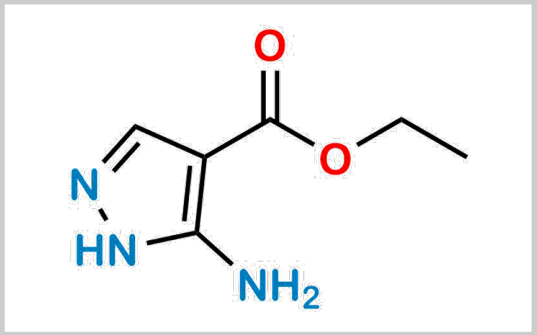
Alt. Name : Allopurinol USP Related Compound D

CAT No. : KMA022006

CAS No. : 6994-25-8

Molecular Formula : C6H9N3O2

Molecular Weight : 155.2



Analytical Information

Batch No.	: SL-NML-335-002	**Solubility**	: Acetonitrile
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 96.53 %	**IR**	: Confirm
Weight Loss By TGA	: 0.12 %	**1H NMR**	: Confirm
% Potency	: 96.41 %		

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 - 0.12(Weight Loss By TGA)] x [96.53(HPLC Purity)]/100 = 96.41 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		16/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		16/01/2026

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