

# 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)

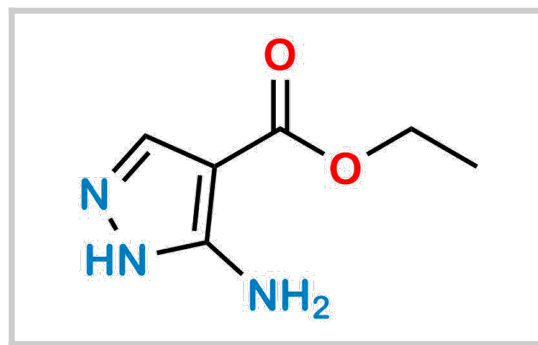
**Alt. Name** : Allopurinol USP Related Compound D

**CAT No.** : KMA022006

**CAS No.** : 6994-25-8

**Molecular Formula** : C<sub>6</sub>H<sub>9</sub>N<sub>3</sub>O<sub>2</sub>

**Molecular Weight** : 155.2



### Analytical Information

**Batch No.** : SL-NML-335-002

**Description** : Off White Solid

**HPLC Purity** : 96.53 %

**Weight Loss By TGA** : 0.12 %

**% Potency** : 96.41 %

**Solubility** : Acetonitrile

**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 - 0.12(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, <sup>1</sup>HNMR, IR and TGA