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## CERTIFICATE OF ANALYSIS

Analysis Date: Sep 2025

Re-test Date: Aug 2028

**Product Name: Allopurinol EP Impurity D**

### Identification:

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

Synonyms : Allopurinol USP Related  
Compound D

CAS Number : 6994-25-8

CAT Number : CP-A12004

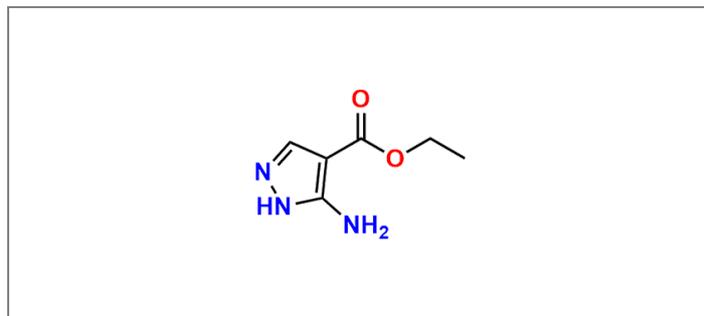
Molecular Formula : C<sub>6</sub>H<sub>9</sub>N<sub>3</sub>O<sub>2</sub>

Molecular Weight : 155.07

Batch Number : CP-ALO-D-1125

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.74%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	<sup>13</sup> C NMR	Confirm to Structure
7)	IR	Confirm to Structure



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**



Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.