

# CERTIFICATE OF ANALYSIS

(Certificate No. KMP003002-01)

Release Date: 05/03/2024

Re-test Date: 04/03/2027

## Pirfenidone EP Impurity A

### Identification

**Chemical Name :**  
5-methylpyridin-2-amine

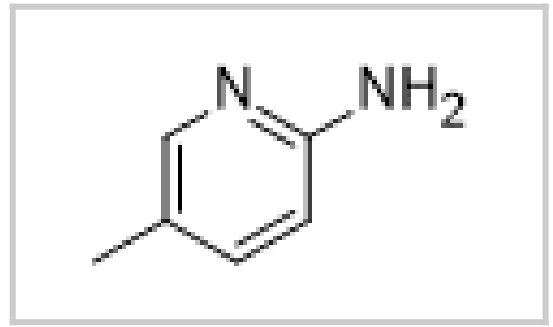
**Alt. Name** : Pirfenidone USP Related Compound  
A

**CAT No.** : KMP003002

**CAS No.** : 1603-41-4

**Molecular Formula** : C<sub>6</sub>H<sub>8</sub>N<sub>2</sub>

**Molecular Weight** : 108.14



### Analytical Information

**Batch No.** : PIR-IMP-A-073-102

**Description** : White Solid

**HPLC Purity** : 99.76 %

**Weight Loss By TGA** : 1.20 %

**% Potency** : 98.56 %

**Solubility** : ACN

**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 - 1.20(Weight Loss By TGA)] x [99.76(HPLC Purity)]/100 = 98.56 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Parag Patel		05/03/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		05/03/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA