

# CERTIFICATE OF ANALYSIS

(Certificate No. KMP003004-01)

Release Date: 09/08/2024

Re-test Date: 08/08/2027

## Pirfenidone Impurity D

### Identification

**Chemical Name :**  
bromobenzene

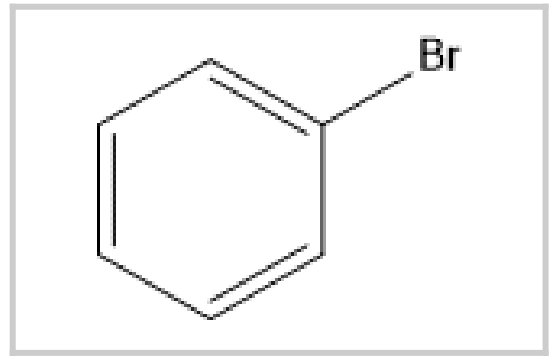
**Alt. Name** : bromobenzene

**CAT No.** : KMP003004

**CAS No.** : 108-86-1

**Molecular Formula** : C<sub>6</sub>H<sub>5</sub>Br

**Molecular Weight** : 157.01



### Analytical Information

**Batch No.** : PIR-KSM-II-08-170

**Solubility** : ACN

**Description** : Colorless Liquid

**Mass** : Confirm

**HPLC Purity** : 98.36 %

**IR** : Confirm

**Weight Loss By TGA** : 2.00 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 96.39 %

### 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 - 2.00(Weight Loss By TGA)] x [98.36(HPLC Purity)]/100 = 96.39 %

-Re-tested on 09.08.2024

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		09/08/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		09/08/2024

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