

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA015006-01)

Release Date: 23/05/2024

Re-test Date: 22/05/2027

## Aripiprazole EP Impurity B

### Identification

**Chemical Name :**

1-(2,3-Dichlorophenyl)piperazine hydrochloride

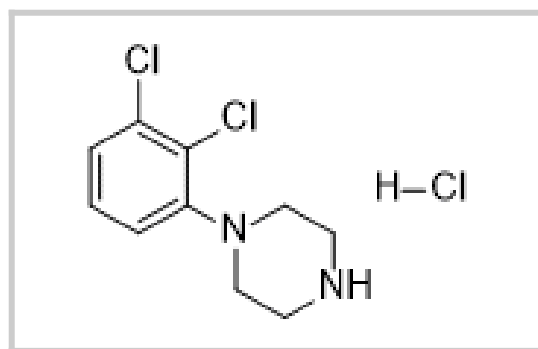
**Alt. Name** : Aripiprazole USP Related Compound C

**CAT No.** : KMA015006

**CAS No.** : 119532-26-2

**Molecular Formula** : C<sub>10</sub>H<sub>12</sub>Cl<sub>2</sub>N<sub>2</sub> : HCl

**Molecular Weight** : 231.1 : 36.5



### Analytical Information

**Batch No.** : ARI-EPB-073-230

**Description** : White solid

**HPLC Purity** : 99.06 %

**Weight Loss By TGA** : 0.03 %

**% Potency** : 99.03 %

**Solubility** : ACN : Methanol  
(1 : 1)

**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 - 0.03(Weight Loss By TGA)] x [99.06(HPLC Purity)]/100 = 99.03 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		24/05/2024
Reviewed & Approved By	Quality Control	Jatin Patel		24/05/2024

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