CERTIFICATE OF ANALYSIS

(Certificate No. KMA015027-01)

Release Date: 09/10/2025 **Re-test Date:** 08/10/2028

Aripiprazole Impurity D

Identification

Chemical Name:

7-[4-[4-(3-Chlorophenyl)piperazin-1-yl]butoxy]-3,4-dihydroguinolin-2(1H)-one (as per EP)

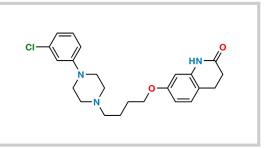
Alt. Name : 2-Dechloro Aripiprazole (USP)

CAT No. : KMA015027

CAS No. : 203395-82-8

Molecular Formula : C23H28ClN3O2

Molecular Weight : 413.9



Analytical Information

Batch No. : ARI-IMP-D-030-284 **Solubility** : Methanol **Description** : Off White Solid **Mass** : Confirm **HPLC Purity** : 96.54 % IR : Confirm Weight Loss By TGA : Confirm : 1.00 % 1H NMR

% Potency : 95.57 %

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 - 1.00(Weight Loss By TGA)] x [96.54(HPLC Purity)]/100 = 95.57 %

-Re-tested on 09.10.2025

Recommendation : Released

| | Department | Name | Signature | Date |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By | Analytical | Jignesh Patel | | 09/10/2025 |
| Reviewed & Approved By | Quality Control | Jatin Patel | | 09/10/2025 |

Attachments : COA, HPLC, 1HNMR, IR, MASS and TGA