CERTIFICATE OF ANALYSIS

(Certificate No. KMA015005-02)

Release Date: 30/01/2026 **Re-test Date:** 29/01/2029

Aripiprazole Related Compound F

Identification

Chemical Name :
7-[4-[4-(2,3-Dichlorophenyl)-1-oxido-1-piperazinyl]butoxy]-3,4-dihydro-2(1H)-quinolinone

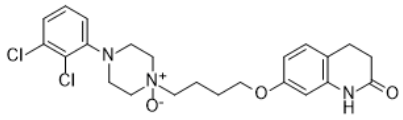
Alt. Name : Aripiprazole N1-Oxide , Aripiprazole USP Related Compound F

CAT No. : KMA015005

CAS No. : 573691-09-5

Molecular Formula : C23H27Cl2N3O3

Molecular Weight : 464.4



Analytical Information

Batch No.	: R079V0	**Solubility**	: Acetonitrile
Description	: White Solid	**Mass**	: Confirm
HPLC Purity	: 99.89 %	**IR**	: Confirm
Weight Loss By TGA	: 0.09 %	**1H NMR**	: Confirm
% Potency	: 99.8 %	**13C 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 - 0.09(Weight Loss By TGA)] x [99.89(HPLC Purity)]/100 = 99.8 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		31/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		31/01/2026

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA