CERTIFICATE OF ANALYSIS

(Certificate No. KMA015003-01)

Release Date: 24/05/2024 **Re-test Date:** 23/05/2027

Aripiprazole EP Impurity G

Identification

Chemical Name :
7,7'-(((4,4'-(ethane-1,1-diylbis(2,3-dichloro-4,1-phenylene))bis(piperazine-4,1-diyl))bis(butane-4,1-diyl))bis(oxy))bis(3,4-dihydroquinolin-2(1H)-one)

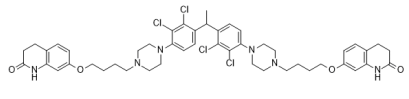
Alt. Name : Aripiprazole 4 4'-dimer

CAT No. : KMA015003

CAS No. : 1797986-18-5

Molecular Formula : C48H56Cl4N6O4

Molecular Weight : 922.81



Analytical Information

Batch No. : ARI-EPG-073-226

Description : White solid

HPLC Purity : 99.23 %

Weight Loss By TGA : 0.01 %

% Potency : 99.22 %

Solubility : ACN : Methanol (1 : 1)

Mass : Confirm

IR : Confirm

1H 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 - 0.01(Weight Loss By TGA)] x [99.23(HPLC Purity)]/100 = 99.22 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		25/05/2024
Reviewed & Approved By	Quality Control	Jatin Patel		25/05/2024

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