CERTIFICATE OF ANALYSIS

(Certificate No. KMA015028-01)

Release Date: 25/08/2025 **Re-test Date:** 24/08/2028

Aripiprazole Impurity E

Identification

Chemical Name :
7-[4-[4-(2,3-Dichlorophenyl)piperazin-1-yl]butoxy]quinolin-2(1H)-one (as per EP) ; 7-{4-[4-(2,3-Dichlorophenyl)piperazin-1-yl]butoxy}quinolin-2(1H)-one (as per USP)

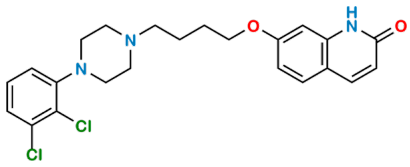
Alt. Name : Aripiprazole USP related compound G ; Dehydro Aripiprazole Impurity

CAT No. : KMA015028

CAS No. : 129722-25-4

Molecular Formula : C23H25Cl2N3O2

Molecular Weight : 446.4



Analytical Information

Batch No.	: ARI-IMP-DPQ-09-097	**Solubility**	: Methanol
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 96.04 %	**IR**	: Confirm
Weight Loss By TGA	: 0.42 %	**1H NMR**	: Confirm
% Potency	: 95.64 %		

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 - 0.42(Weight Loss By TGA)] x [96.04(HPLC Purity)]/100 = 95.64 %
-Re-tested on 25.08.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		26/08/2025
Reviewed & Approved By	Quality Control	Jatin Patel		26/08/2025

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