CERTIFICATE OF ANALYSIS

(Certificate No. KMC009002-01)

Release Date: 31/08/2024 **Re-test Date:** 30/08/2027

Ciprofloxacin In house Working Standard

Identification

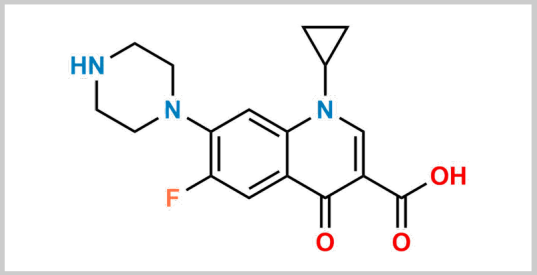
Chemical Name :
1-Cyclopropyl-6-fluoro-4-oxo-7-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid

CAT No. : KMC009002

CAS No. : 85721-33-1

Molecular Formula : C17H18FN3O3

Molecular Weight : 331.3



Analytical Information

Batch No.	: KMC009002-073	**Solubility**	: Acetonitrile
Description	: White Powder	**Mass**	: Confirm
HPLC Purity	: NLT 98.1 %	**IR**	: Confirm
Weight Loss By TGA	: 0.1 %	**1H NMR**	: Confirm
% Potency	: 98 %		

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 - 0.1(Weight Loss By TGA)] x [98.1(HPLC Purity)]/100 = 98 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		31/08/2024
Reviewed & Approved By	Quality Control	Jatin Patel		31/08/2024

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