CERTIFICATE OF ANALYSIS

(Certificate No. KMC034001-01)

Release Date: 18/07/2024 **Re-test Date:** 17/07/2027

Clomiphene Citrate USP

Identification

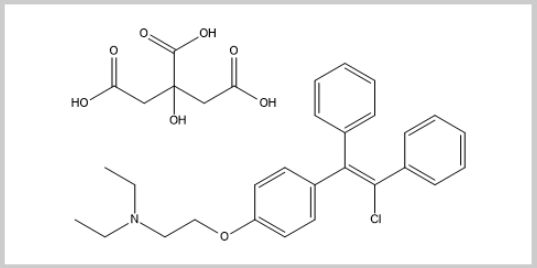
Chemical Name :
(E,Z)-2-(4-(2-chloro-1,2-diphenylvinyl)phenoxy)-N,N-diethylethanamine 2-hydroxypropane-1,2,3-tricarboxylate

CAT No. : KMC034001

CAS No. : 50-41-9

Molecular Formula : C26H28ClNO : C6H8O7

Molecular Weight : 405.96 : 192.1



Analytical Information

Batch No. : CLO-PRS-073-292

Description : White Solid

HPLC Purity : 99.64 %

Weight Loss By TGA : 0.43 %

% Potency : 99.21 %

Solubility : Refer Additional information

Mass : Confirm

IR : Confirm

1H NMR : Confirm

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 - 0.43(Weight Loss By TGA)] x [99.64(HPLC Purity)]/100 = 99.21 %
-Buffer : Acetonitrile, diethylamine and water (40: 0.8: 60). Adjust with ortho phosphoric acid to a pH of 6.2.
-Solubility : Buffer

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		19/07/2024
Reviewed & Approved By	Quality Control	Jatin Patel		19/07/2024

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