

# CERTIFICATE OF ANALYSIS

(Certificate No. KMC034002-01)

Release Date: 16/07/2024

Re-test Date: 15/07/2027

## Clomiphe Related Compound A

### Identification

**Chemical Name :**

(E)-2-(4-(1,2-diphenylvinyl)phenoxy)-N,N-diethylethanamine hydrochloride

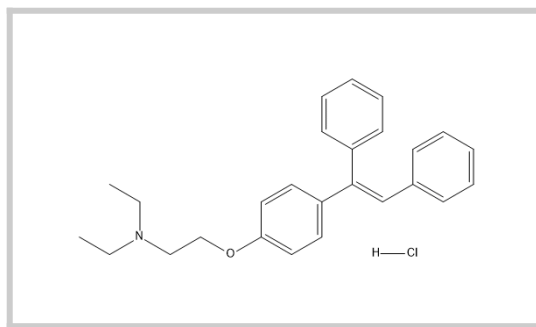
**Alt. Name** : Clomiphe USP Related Compound A

**CAT No.** : KMC034002

**CAS No.** : 74056-26-1

**Molecular Formula** : C<sub>26</sub>H<sub>29</sub>NO : HCl

**Molecular Weight** : 371.51 : 36.5



### Analytical Information

**Batch No.** : CLO-RCA-073-293

**Description** : Light Yellow Thick Syrup

**HPLC Purity** : 99.45 %

**Weight Loss By TGA** : 3.08 %

**% Potency** : 96.39 %

**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** =  $[100 - 3.08(\text{Weight Loss By TGA})] \times [99.45(\text{HPLC Purity})]/100 = 96.39 \%$

-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