# CERTIFICATE OF ANALYSIS

(Certificate No. KMC020042-01)

**Release Date:** 03/04/2026 **Re-test Date:** 02/04/2029

## CYCLOPHOSPHAMIDE IMPURITY 20

## Identification

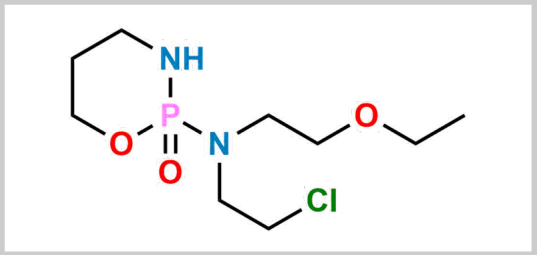
**Chemical Name** :
[2-((2-Chloroethyl)(2-ethoxyethyl)amino)-1,3,2-oxazaphosphinane 2-oxide]

**CAT No.** : KMC020042

**CAS No.** : 2387771-96-0

**Molecular Formula** : C9H20ClN2O3P

**Molecular Weight** : 270.7




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : C020042-114-236 | **Solubility** | : Water |
| **Description** | : Yellow Thick Syrup | **Mass** | : Confirm |
| **HPLC Purity** | : 94.84 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 1.30 % | **1H NMR** | : Confirm |
| **% Potency** | : 93.61 % | | |

## 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 - 1.30(Weight Loss By TGA)] x [94.84(HPLC Purity)]/100 = 93.61 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 03/04/2026 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 03/04/2026 |

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