# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMC020001-01)

**Release Date: 20/04/2024 Re-test Date:** 19/04/2027

## N-Nitroso Cyclophosphamide EP Impurity D

## **Identification**

CAS No.

#### **Chemical Name:**

3-(2-chloroethyl)-2-hydroxy-6-nitroso-1,3,6,2-oxadiazaphosphonane 2-oxide (Mixture of E/Z Isomer)

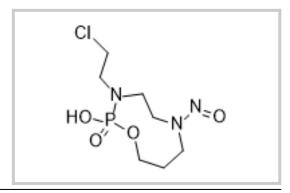
Alt. Name : N-Nitroso Cyclophosphamide USP

Related compound B

CAT No. : KMC020001

: Not Available **Molecular Formula** : C7H15ClN3O4P

**Molecular Weight** : 271.64



## **Analytical Information**

: CYC-EPD-NO-073-147 Batch No. **Solubility** : Water **Description** : Light Yellow Thick Syrup **Mass** : Confirm : 98.35 % **HPLC Purity** IR : Confirm Weight Loss By TGA : 6.88 % 1H NMR : Confirm % Potency : 91.58 % **13C NMR** : Confirm

### **Additional Information**

: Store at 2-8 deg. C for long term storage **Long Term Storage** 

**Shipping Condition** : Product is stable to be shipped at room temperature

**% Potency** = [100 - 6.88(Weight Loss By TGA)] x [98.35(HPLC Purity)]/100 = 91.58 %

-Mixture of Isomers

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		20/04/2024
Reviewed & Approved By	Quality Control	Jatin Patel		20/04/2024

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