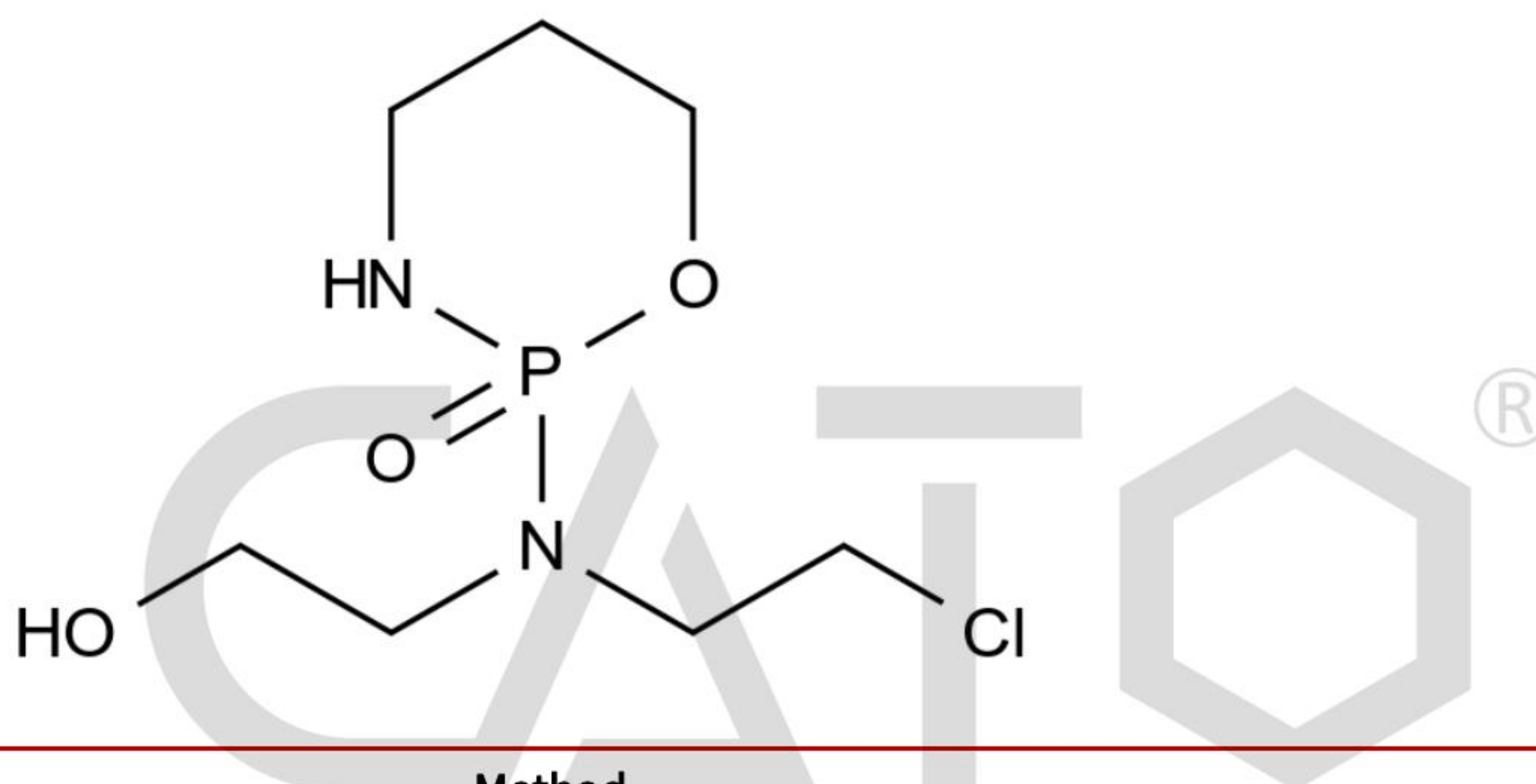


Certificate of Analysis

Reference Material & Standard

Product Name:	Cyclophosphamide EP Impurity A	Catalogue Number:	C4X-230617
Synonyms:	N/A	Lot Number:	0701-RF-0043
CAS Number:	1797009-12-1	Expiry Date:	Jul 07, 2027
Molecular Formula:	C ₇ H ₁₆ ClN ₂ O ₃ P	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	242.64		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Oil
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	90.0498%
Loss On Drying	TGA	5.0203%
Assay		85.5%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity ELSD (%) / 100%

Loss On Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 08, 2024

Date: Jul 08, 2024

Date: Jul 08, 2024

