

CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue H926305

Number:

Hydroxy Cyclophosphamide Product:

Semicarbazone (80%)

Structure:

Lot 14-JES-165-2 Number:

This Product Is Stable To Be Shipping Condition: Shipped At Room Temperature CAS 53948-46-2 Number:

Synonym: N,N-bis(2-chloroethyl)phosphorodiamidic Acid

3-[2-(Aminocarbonyl)hydrazinylidene]propyl

Ester; NSC 319519; Aldophosphamide

Semicarbazone;

Molecular Formula: C8H18Cl2N5O3P Molecular weight:

334.14

Source of Product:

Synthetic Solubility:

Dichloromethane (Sparingly), DMSO (Slightly), Methanol

(Slightly)

Purity: 80%

Storage Condition: -20°C

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Colourless to Pale Yellow Oil to Low-**Appearance**

Melting Solid

White Low-Melting Solid

NMR Conforms to Structure Conforms P NMR Conforms to Structure Conforms MS Conforms to Structure Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of \pm 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

C of A Approved **Reviewed By Reviewed By Test Date Retest Date** By

Meenakshi Sharma Chanell Chu Toni Rantanen 10/22/2021 10/20/2025

Sharme