

CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue B415190

Number:

Bis(2-butoxyethyl) 2-Hydroxyethyl Product: Phosphate Triester

Structure:

CAS 1477494-86-2 Number:

Synonym: Bis(2-butoxyethyl) 2-Hydroxyethyl

Ester Phosphoric Acid:

Molecular Formula:

C14H31O7P

Molecular weight:

342.37

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), Methanol (Slightly)

Purity: Lot Number: 10-MPT-130-5 98%

This Product Is Stable To Be Shipped At Storage Shippina

Condition: Room Temperature Condition:

4°C

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Colourless to Pale Green Oil Clear Colourless to Pale Green Oil Appearance

NMR Conforms to Structure Conforms

Elemental Conforms %C: 48.97, %H: 9.15 **Analysis**

99.87% (ELSD) **HPLC Purity** Report Result

MS Conforms Conforms to Structure Conforms to Structure Conforms P NMR

Additional Information:

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

Nicole Yip Toni Rantanen Chanell Chu 8/14/2023 8/12/2027