

Tetraethyl

Methylidenebisphosphonate

CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue T292800 CAS Number: 1660-94-2

Synonym: P,P'-Methylenebisphosphonic Acid P,P,P',P'-

Tetraethyl Ester; Methylenebisphosphonic Acid

Tetraethyl Ester;

Bis(diethylphosphono)methane;

Methylenebis(diethoxyphosphine oxide); Methylenebis(diethyl phosphonate); Methylenebis(phosphonic acid) tetraethyl Ester; Tetraethyl methylenediphosphonate;

Molecular Formula:

C9H22O6P2

Molecular weight:

288.21

Source of Product:

N/A

Solubility:

Chloroform (Sparingly),

Methanol (Slightly)

Purity: 070

97%

Storage

Condition: 4°C

Structure:

Product:

Number:

Lot

13-QIU-131-1

Shipping This Product Is Stable To Be **Condition**: Shipped At Room Temperature

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Appearance Colourless Oil Clear Colourless Oil

NMR Conforms to Structure Conforms
P NMR Conforms to Structure Conforms

Elemental Analysis Conforms %C: 37.80, %H: 7.72

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

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

Nicole Yip Toni Rantanen Chanell Chu 1/13/2022 1/11/2026

WAY

For