

## 1. Identification

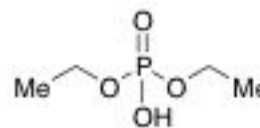
### Catalogue Number

P359430

### Lot Number

3-EMA-64-1

### Structure



### Product Name

Phosphoric Acid Diethyl Ester

### Synonyms

Ethyl Phosphate ((C<sub>2</sub>H<sub>5</sub>O)<sub>2</sub>(HO)PO) (6CI); DEP; Diethyl Acid Phosphate; Diethyl Hydrogen Phosphate; Diethyl Phosphate; Diethyl Phosphoric Acid; JP 502; NSC 97178; O,O-Diethyl Hydrogen Phosphate

### CAS Number

598-02-7

### Solubility

Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly)

### Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

### Molecular Formula

C<sub>4</sub>H<sub>11</sub>O<sub>4</sub>P

### Source of Product

N/A

### Long Term Storage Conditions

4°C, Inert atmosphere

### Molecular Weight

154.1

### Purity

>95%

## 2. Warnings

Moisture Sensitive

## 3. Analytical Information

### Tests

Appearance

### Specifications

Colourless to Pale Yellow Oil to Thick Oil

### Results

Pale Yellow Thick Oil

NMR

Conforms to Structure

Conforms

P NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 26.69, %H: 6.35

HPLC Purity

>95%

99.89% (ELSD)

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 ± 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

R. Swathi

Swathi Reddy

Product Quality Specialist

### Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

### C of A Approved by

Chanell Chu

Chanell Chu

Jr. Quality Assurance

### Test Date

5/4/2023

### Retest Date

5/2/2027