



## CERTIFICATE OF ANALYSIS

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### 1. Identification

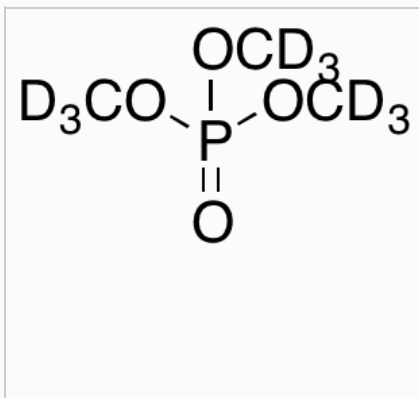
**Catalogue Number:** T796647

**CAS Number:** 32176-12-8

**Product:** Trimethyl Phosphate-d9

**Synonym:** NSC 58985-d9; TMP-d9; TMPA-d9; TMPO-d9; Trimethoxyphosphine Oxide-d9; Trimethyl Orthophosphate-d9; Trimethyl Phosphate-d9

**Structure:**



**Molecular Formula:**

C<sub>3</sub>D<sub>9</sub>O<sub>4</sub>P

**Molecular weight:**

149.13

**Source of Product:**

Synthetic

**Solubility:**

Acetone (Slightly), Acetonitrile (Slightly), Chloroform (Slightly), Methanol (Slightly)

**Lot Number:** EF-138

**Purity:** 98%

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

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

| Tests:          | Specifications:                | Results:                       |
|-----------------|--------------------------------|--------------------------------|
| Appearance      | Colourless to Light Yellow Oil | Colourless to Light Yellow Oil |
| NMR             | Conforms to Structure          | Conforms                       |
| GC              | Report Result                  | 99.42%                         |
| Isotopic Purity | >95%                           | >95% by NMR                    |

**Additional Information:**

\*\*\*Material was manufactured at CDN Isotopes, an affiliate of TRC\*\*\*

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  | Reviewed By   | C of A Approved By | Test Date | Retest Date |
|--------------|---------------|--------------------|-----------|-------------|
| Iuri Lutenco | Toni Rantanen | Chanell Chu        | 6/3/2022  | 6/1/2026    |