



CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue Number:	T350350	CAS Number:	51120-35-5
Product:	Thiodiphosphoric Acid Tetramethyl Ester (>70%)	Synonym:	Thiodiphosphoric Acid ([(HO)2P(S)]2O) Tetramethyl Ester; Destetramethyl Sulfotep
Structure:		Molecular Formula:	C ₄ H ₁₂ O ₅ P ₂ S ₂
		Molecular weight:	266.21
		Source of Product:	Synthetic
		Solubility:	Chloroform (Slightly), Ethyl Acetate (Slightly), Methanol (Slightly)
Lot Number:	19-DPP-58-1	Purity:	>70%
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 Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 18.30, %H: 4.73
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 By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Chanell Chu	11/29/2022	11/27/2026