



CERTIFICATE OF ANALYSIS

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1. Identification

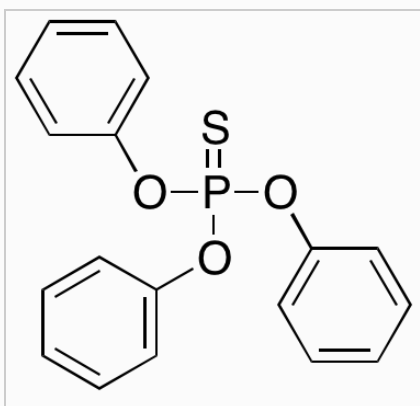
Catalogue Number: T809005

CAS Number: 597-82-0

Synonym: Triphenyl Phosphorothionate; Triphenyl Thiophosphate; Phenyl Phosphorothioate; NSC 57867; O,O,O-Triphenyl Phosphorothioate; O,O,O-Triphenyl Thiophosphate; T 309; Thiophosphoric Acid Triphenyl Ester; Triphenoxyphosphine Sulfide; Phosphorothioic Acid O,O,O-Triphenyl Ester

Product: Triphenyl Phosphorothioate

Structure:



Molecular Formula:

C₁₈H₁₅O₃PS

Molecular weight:

342.35

Source of Product:

N/A

Solubility:

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

Lot Number: 59-GHZ-121-1

Purity: 98%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 62.87, %H: 4.24
MS	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.27% (205 nm)

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Swathi Reddy	Toni Rantanen	Chanell Chu	12/16/2021	12/14/2025

