



CERTIFICATE OF ANALYSIS

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1. Identification

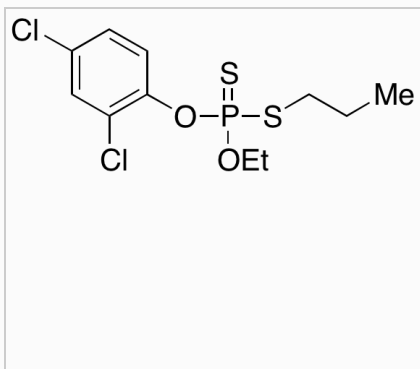
Catalogue Number: P838840

CAS Number: 34643-46-4

Product: Prothiofos

Synonym: Phosphorodithioic Acid O-(2,4-Dichlorophenyl) O-Ethyl S-Propyl Ester; BAY-NTN 8629; Dichlorpropaphos; Prothiofos; Prothiophos; Tokuthion; Toyodan

Structure:



Molecular Formula:

C₁₁H₁₅Cl₂O₂PS₂

Molecular weight:

345.25

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 15-APD-125-12

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 Pale Yellow Oil	Clear Colourless to Pale Yellow Oil
NMR	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 38.24, %H: 4.23
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	98.94% (220 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 $\pm 2\%$. 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
Henry Tieu	Toni Rantanen	Christina Gouliaras	6/23/2023	6/21/2027