



CERTIFICATE OF ANALYSIS

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1. Identification

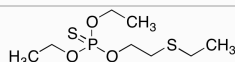
Catalogue Number: D231498

CAS Number: 298-03-3

Product: Demeton-O

Synonym: Demetonthione; NSC 8928; O,O-Diethyl O-[2-(ethylthio)ethyl] Phosphorothionate;

Structure:



O,O-diethyl O-[2-(ethylthio)ethyl] phosphorothioate

Molecular Formula:

C₈H₁₉O₃PS₂

Molecular weight:

258.34

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), Ethyl
Acetate (Slightly)

Lot Number: 2-RTW-24-3

Purity: 95%

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
Elemental Analysis	Conforms	%C: 37.80, %H: 7.82
P NMR	Conforms to Structure	Conforms
GC	>95%	95.19%

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
Hanxiang Li	Toni Rantanen	Chanell Chu	6/9/2021	6/7/2025
				