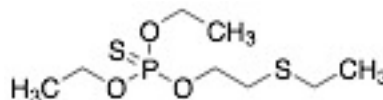


**1. Identification**Catalogue Number

D231498

Lot Number

20-ZCA-175-5

StructureProduct Name

Demeton-O

SynonymsDemetonthione; NSC 8928; O,O-Diethyl O-[2-(ethylthio)ethyl]  
Phosphorothionate;CAS Number

298-03-3

SolubilityChloroform (Slightly), Ethyl Acetate  
(Sparingly)Shipping ConditionThis Product Is Stable To Be Shipped At Room  
TemperatureMolecular Formula $C_8H_{19}O_3PS_2$ Source of Product

Synthetic

Long Term Storage Conditions

4°C, Inert atmosphere

Molecular Weight

258.34

Purity

&gt;95%

**2. Warnings**

Not Determined

**3. Analytical Information**Tests

Appearance

Specifications

Colourless Oil

Results

Clear Colourless Oil

NMR

Conforms to Structure

Conforms

P NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 38.13, %H: 7.28

GC Purity

&gt;95%

99.55%

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

Nicole Yip

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

8/19/2024

Retest Date

8/17/2028