

# Certificate of Analysis

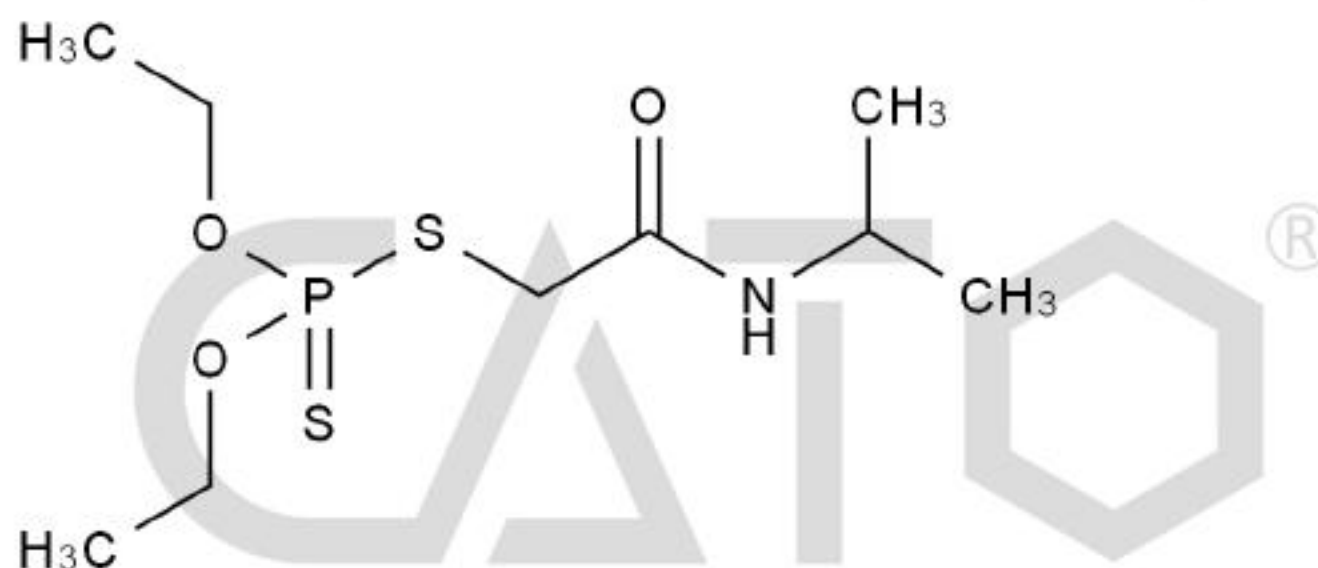
## Reference Material & Standard

|                    |                                                                |                   |                                           |
|--------------------|----------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | PROTHOATE                                                      | Catalogue Number: | CCNP900129                                |
| Synonyms:          | N/A                                                            | Lot Number:       | 0305-SA-7446                              |
| CAS Number:        | 2275-18-5                                                      | Expiry Date:      | Mar 04, 30                                |
| Molecular Formula: | C <sub>9</sub> H <sub>20</sub> NO <sub>3</sub> PS <sub>2</sub> | Storage:          | -20°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 285.36                                                         |                   |                                           |

Warning:



Chemical Structure:



| Test Items      | Method            | Results                                    |
|-----------------|-------------------|--------------------------------------------|
| Appearance      | Visual inspection | Off-White to Light Beige Low-Melting Solid |
| Identification: | LC&HNMR           | Confirmed                                  |
| Purity:         | HPLC              | 98.671%                                    |
| Uncertainty     |                   | ±2.0%                                      |

## Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

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Date: Mar 05, 26

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Date: Mar 05, 26



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## Directions:

1. *Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
2. *Minimum sample size: 1mg is recommended as the minimum sample size.*
3. *Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
4. *Instructions for handling and correct use: Handling in a well-ventilated place.*

## Document Version:

| Revision No. | Date       | Reason for Revision |
|--------------|------------|---------------------|
| 01           | Mar 05, 26 | First release.      |

