



## Certificate of Analysis

|              |                   |
|--------------|-------------------|
| Product Name | Piroctone olamine |
| Catalog No.  | V13479            |
| Batch No.    | V1347901          |

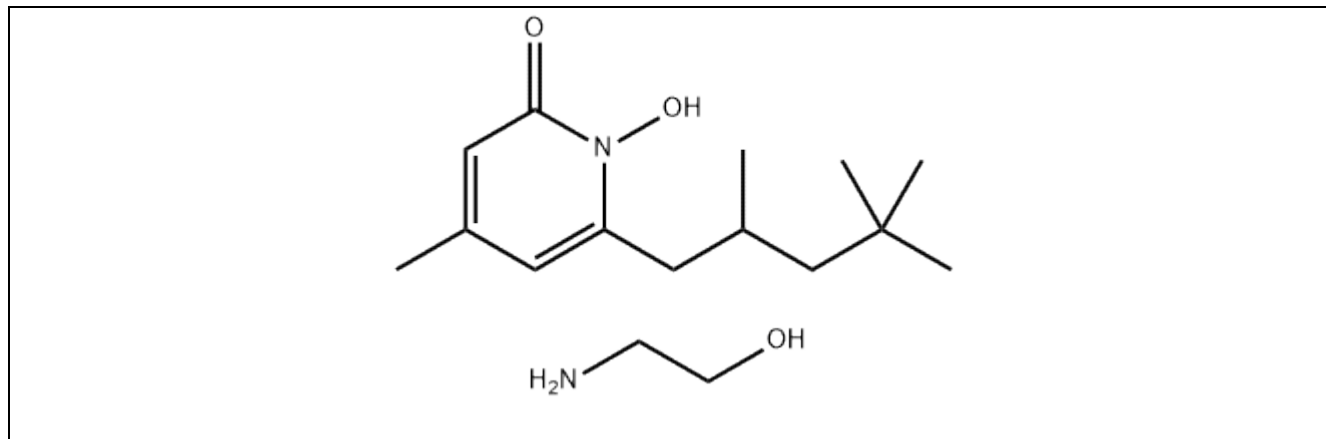
### 1. Physical and Chemical Properties

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| Appearance        | Powder                                                        |
| Molecular Formula | C <sub>16</sub> H <sub>30</sub> N <sub>2</sub> O <sub>3</sub> |
| Molecular Weight  | 298.22                                                        |
| Purity            | ≥98.0%                                                        |
| CAS No.           | 68890-66-4                                                    |

### 2. Analytical Data

|               |                           |
|---------------|---------------------------|
| HPLC          | Indicates ≥98.0% purity   |
| NMR           | Consistent with structure |
| Mass Spectrum | Consistent with structure |

### 3. Structure



### 4. Storage Condition

|                            |                                            |
|----------------------------|--------------------------------------------|
| Short term storage (weeks) | 0 - 4 °C under dry condition for six weeks |
| Long term storage (months) | -20 °C under dry condition for two years   |

Products are for research use only • Not for human or veterinary use