

## Certificate of Analysis

Date of Testing: 2022-04-19 13:58:12  
Date of Next Testing: 2026-04-18 13:58:12  
Product Name: **PTIO**  
CAS Number: 18390-00-6  
Specifications & Purity: >98.0%(T)  
Lot #: D2213021  
SKU #: **P160514**  
**Analysis:** **084267**  
Storage Temperature: Store at 2-8°C

| Parameter   | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Molar extinction coefficient(EtOH, 358.0 to 362.0 nm) | ≥10000                | 12716.00              |
| Purity(NonaqueousTitration)                           | 97.5-102.5 (%)        | 98.60%                |
| Lambda max  | 358-362 (nm)          | 360.00 nm             |
| Proton NMR spectrum                                   | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager