

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-11 18:54:30  
 Date of Next Testing: 2029-09-10 18:54:30  
 Product Name: **H-Pyr-OH**  
 CAS Number: 98-79-3  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: I2505106  
 SKU #: **P106003**  
 Version: **0**  
 Analysis #: **135460**  
 Storage Temperature: Room temperature

| Parameter                                                       | Limit Values                          | Result                                |
|-----------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Specific Rotation $[\alpha]_{20/D(c=5 \text{ in H}_2\text{O})}$ | -12--8 (°)                            | -10.27500 °                           |
| Melting point                                                   | 157-164 (°C)                          | 160.89000 °C                          |
| Purity(GC)                                                      | 97-100 (%)                            | 99.66600 %                            |
| Purity(Neutralization titration)                                | 96.5-103.5 (%)                        | 99.63000 %                            |
| Appearance (P106003)                                            | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Infrared spectrum                                               | Conforms to Structure                 | Conforms to Structure                 |



John Su  
QA & QC Manager