

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-05-12 15:15:22  
 Date of Next Testing: 2030-05-11 15:15:22  
 Product Name: (7-Azabenzotriazol-1-yloxy)tripyrrolidinophosphonium hexafluorophosphate  
 CAS Number: 156311-83-0  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: G2222030  
 SKU #: A109335  
 Version: 2  
 Analysis #: 702193  
 Storage Temperature: Protected from light, Store at  $-20^{\circ}\text{C}$

| Parameter                                                   | Limit Values                          | Result                                |
|-------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Melting point                                               | 163-168 ( $^{\circ}\text{C}$ )        | 163.20000 $^{\circ}\text{C}$          |
| Purity(HPLC)                                                | 97-100 (%)                            | 99.03000 %                            |
| PF6(Gravimetric Analysis With Tetraphenylarsonium Chloride) | 26.8-28.8 (%)                         | 27.34000 %                            |
| Appearance (A109335)                                        | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Infrared spectrum                                           | Conforms to Structure                 | Conforms to Structure                 |
| Solubility in $\text{CHCl}_3$ , Colorless,Clear,25mg/ml     | pass                                  | Pass                                  |



John Su  
QA & QC Manager