

## Certificate of Analysis

Date of Testing: 2023-09-22 15:30:22

Date of Next Testing: 2027-09-21 15:30:22

Product Name: **1H-Benzotriazol-1-yloxytripyrrolidinophosphonium Hexafluorophosphate**

CAS Number: 128625-52-5

Specifications & Purity: 98%

Lot #: I2319330

SKU #: **P109336**

**Analysis:** **270375**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter            | Limit Values                                                    | Result                                                          |
|----------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|
| Purity(HPLC)         | 98-100 (%)                                                      | 99.12800 %                                                      |
| Appearance (P109336) | White to Off-White to Light yellow to Powder or Solid or Chunks | White to Off-White to Light yellow to Powder or Solid or Chunks |
| Proton NMR spectrum  | Conforms to Structure                                           | Conforms to Structure                                           |
| Infrared spectrum    | Conforms to Structure                                           | Conforms to Structure                                           |



John Su  
QA & QC Manager