

## Certificate of Analysis

Date of Testing: 2025-01-16 19:14:08  
Date of Next Testing: 2027-01-06 19:14:08  
Product Name: **Bromo-tris-pyrrolidinophosphonium hexafluorophosphate**  
CAS Number: 132705-51-2  
Specifications & Purity:  $\geq 98\%$   
Lot #: A2506517  
SKU #: **B113343**  
Version: **0**  
Analysis #: **389999**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.58000 %
Appearance (B113343)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
31P, 19F, 1H NMR spectrum	Consistent	Consistent
Elementary analysis (C,H,N, P, F, Br)	Consistent	Consistent
ESI	Consistent	Consistent



John Su  
QA & QC Manager