

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-24 09:07:38  
Date of Next Testing: 2027-07-24 09:07:38  
Product Name: **1-Hexyl-3-methylimidazolium hexafluorophosphate**  
CAS Number: 304680-35-1  
Specifications & Purity: 97%  
Lot #: G2417600  
SKU #: **H102651**  
Version: **1**  
Analysis #: **372469**  
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                           | Limit Values                 | Result                       |
|-------------------------------------|------------------------------|------------------------------|
| Purity(HPLC)                        | 97-100 (%)                   | 99.57500 %                   |
| Refractive index n <sub>20</sub> /D | 1.417-1.421                  | 1.42                         |
| Appearance (H102651Form)            | Liquid                       | Liquid                       |
| Appearance (H102651Color)           | Colorless to Yellow to Brown | Colorless to Yellow to Brown |
| Proton NMR spectrum                 | Conforms to Structure        | Conforms to Structure        |
| <sup>19</sup> F NMR Spectrum        | Conforms to structure        | Conforms to Structure        |



John Su  
QA & QC Manager