

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-19 09:36:33  
Date of Next Testing: 2027-10-18 09:36:33  
Product Name: **1-Octyl-3-methylimidazolium hexafluorophosphate**  
CAS Number: 304680-36-2  
Specifications & Purity: 95%  
Lot #: D1601035  
SKU #: **M102652**  
**Analysis: 285387**

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	99.82200 %
Water by Karl Fischer	0-1 (%)	0.61 %
Density (20°C)	1.239-1.243	1.24
Refractive index n <sub>20</sub> /D	1.422-1.426	1.42
Purity(Titration)	95-105 (%)	99.65 %
Appearance (M102652Form)	Liquid	Liquid
Appearance (M102652Color)	Colorless to Yellow to Brown-Yellow	Colorless to Yellow to Brown-Yellow
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager