

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-12 15:50:55

Date of Next Testing: 2026-03-11 15:50:55

Product Name: **1-Octyl-3-methylimidazolium hexafluorophosphate**

CAS Number: 304680-36-2

Specifications & Purity: $\geq 95\%$

Lot #: C2210357

SKU #: **M102652**

Version: **0**

Analysis #: **082567**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	97.75000 %
Water by Karl Fischer	0-1 (%)	0.17470 %
Density (20°C)	1.239-1.243	1.23960
Refractive index n ₂₀ /D	1.422-1.426	1.42510
Purity(Titration)	95-105 (%)	99.82000 %
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