

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-10 14:58:49
 Date of Next Testing: 2029-06-09 14:58:49
 Product Name: **1-Octyl-3-methylimidazolium hexafluorophosphate**
 CAS Number: 304680-36-2
 Specifications & Purity: $\geq 95\%$
 Lot #: I2103350
 SKU #: **M102652**
 Version: **0**
 Analysis #: **522436**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	98.54630 %
Water by Karl Fischer	0-1 (%)	0.08960 %
Density (20°C)	1.239-1.243	1.24230
Refractive index n ₂₀ /D	1.422-1.426	1.42400
Purity(Titration)	95-105 (%)	98.54200 %
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