



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-251486
Lot Number: SAMPLE
Product Name: 1-Butyl-1-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)imidazolium hexafluorophosphate
CAS Number: 313475-52-4
Molecular Formula: $C_{15}H_{16}F_{19}N_2P$
Molecular Weight: 616.24

Test	Specification	Result
Appearance	Colorless to brown solid	Complies
Identification (NMR)	Pass	Complies
Identification (Infrared Spectrum)	Pass	Complies
Purity (IC)	1-Butyl-1-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)imidazolium: > 95% hexafluorophosphate: > 95%	1-Butyl-1-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)imidazolium: 97.7% hexafluorophosphate: 97.2%
Halides	< 3% (IC)	Complies
Water Content (KF)	< 1%	0.0433%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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