

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: 1-Methyl-3-octylimidazolium tetrafluoroborate,98%

ITEM NUMBER: M101530  
BRAND: Aladdin  
CAS NUMBER: 244193-52-0  
MDL NUMBER: MFCD03095434  
FORMULA: C<sub>12</sub>H<sub>23</sub>BF<sub>4</sub>N<sub>2</sub>  
MOLECULAR WEIGHT: 282.13

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	Colorless to light yellow liquid		
Assay(HPLC)	98 %	100 %	100 %
Carbon elemental analysis	49.5 %	51.1 %	51.1 %
Infrared spectrometry	Conforms to Structure		
Nitrogen elemental analysis	9.5 %	10 %	10 %
Proton NMR spectrum	Conforms to Structure		