

Certificate of Analysis

Date of Testing: 2022-09-03 14:21:52

Date of Next Testing: 2024-09-02 14:21:52

Product Name: **1-(Chloro-1-pyrrolidinylmethylene)pyrrolidinium Tetrafluoroborate**

CAS Number: 115007-14-2

Specifications & Purity: $\geq 97.0\%$

Lot #: I2201040

SKU # **C138051**

Analysis: **131208**

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	96.5-103.5 (%)	97.36 %
Purity(GC)	97-100 (%)	99.72 %
Melting point	102-106 (°C)	104.70000 °C
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in Acetonitrile	almost transparency	almost transparency



John Su
QA & QC Manager