

Certificate of Analysis

Date of Testing: 2024-07-04 15:44:05
Date of Next Testing: 2027-07-04 15:44:05
Product Name: **1,4-Bis(dicyclohexylphosphonium)butane bis(tetrafluoroborate)**
CAS Number: 1389309-54-9
Specifications & Purity: 97%
Lot #: I2104220
SKU #: **B282310**
Version: **1**
Analysis #: **366655**

Parameter	Limit Values	Result
Melting point	247-251 (°C)	249.00000 °C
Purity(HPLC)	97-100 (%)	99.58600 %
Appearance (B282310)	white to off white powder,crystals,solid	White to off white powder,crystals,solid
Fluorine NMR Spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager