

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-05 13:50:11  
Date of Next Testing: 2027-07-05 13:50:11  
Product Name: **2-[2,6-Bis(1-methylethyl)phenyl]-3,3-dimethyl-2-azoniaspiro[4.5]dec-1-ene hydrogen dichloride**  
CAS Number: 1141464-90-5  
Specifications & Purity: 97%  
Lot #: F2429096  
SKU #: **B281503**  
Version: **1**  
**Analysis #:** **326867**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	97.56 %
Purity(Titration by AgNO <sub>3</sub> )	96.5-103.5 (%)	100.50 %
LC-MS for identification	Conforms	Conforms
Appearance(B281503)	White to Almost white to light yellow powder to crystal	White to Almost white to Light Yellow powder to crystal
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager