

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-04 10:00:11
 Date of Next Testing: 2028-09-03 10:00:11
 Product Name: **1-(4-Pyridyl)pyridinium chloride hydrochloride**
 CAS Number: 5421-92-1
 Specifications & Purity: $\geq 98\%$
 Lot #: H2430474
 SKU #: **P101870**
 Version: **0**
 Analysis #: **407012**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis(anhydrous)	50.3-54.49 (%)	50.54500 %
Purity(HPLC)	98-100 (%)	99.90100 %
Nitrogen by Elemental Analysis (anhydrous)	11.74-12.71 (%)	11.79000 %
Water by Karl Fischer	0-10 (%)	4.30060 %
Purity(Nonaqueous Titration)	98-100 (%)	99.85000 %
Appearance (P101870)	Yellow to Brown Powder, Crystals and/or Chunks	Yellow to Brown Powder, Crystals and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager