

Certificate of Analysis

Date of Testing: 2025-01-07 16:13:15

Date of Next Testing: 2029-01-06 16:13:15

Product Name: **1-(4-Pyridyl)pyridinium chloride hydrochloride**

CAS Number: 5421-92-1

Specifications & Purity: $\geq 98\%$

Lot #: C1610414

SKU #: **P101870**

Version: **0**

Analysis #: **458509**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis(anhydrous)	50.3-54.49 (%)	50.34 %
Purity(HPLC)	98-100 (%)	99.22000 %
Nitrogen by Elemental Analysis (anhydrous)	11.74-12.71 (%)	11.76 %
Water by Karl Fischer	0-10 (%)	6.14 %
Purity(Nonaqueous Titration)	98-100 (%)	98.11 %
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