

Certificate of Analysis

Date of Testing: 2022-03-03 10:06:56
Date of Next Testing: 2026-03-02 10:06:56
Product Name: **Hexadecylpyridinium chloride monohydrate**
CAS Number: 6004-24-6
Specifications & Purity: 98%
Lot #: B2226329
SKU #: **H108696**
Analysis: 065674
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	100.04 %
Free amine and amine salts	0-0.05 (%)	0.03 %
Water by Karl Fischer	4.5-5.5 (%)	5.14 %
Melting point	81-86 (°C)	85.94000 °C
Appearance (H108696)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow ,Clear,100 mg/mL	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager