

Certificate of Analysis

Date of Testing: 2023-05-10 11:32:21
Date of Next Testing: 2027-05-09 11:32:21
Product Name: **Hexadecylpyridinium chloride monohydrate**
CAS Number: 6004-24-6
Specifications & Purity: 98%
Lot #: D23231223
SKU #: **H108696**
Analysis: 162378
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Free amine and amine salts	0-0.05 (%)	0.03 %
Water by Karl Fischer	4.5-5.5 (%)	5.28 %
Melting point	81-86 (°C)	85.89000 °C
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	102.34 %
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
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow ,Clear,100 mg/mL	pass	Pass



John Su
QA & QC Manager