

## Certificate of Analysis

Date of Testing: 2024-10-08 12:28:47

Date of Next Testing: 2028-10-07 12:28:47

Product Name: **Hexadecylpyridinium chloride monohydrate**

CAS Number: 6004-24-6

Specifications & Purity: 98%

Lot #: 12429061

SKU #: **H108696**

Version: **1**

Analysis #: **407747**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity(Titration by AgNO3)	97.5-102.5 (%)	98.83%
Melting point	81-86 (°C)	82.83000 °C
Water by Karl Fischer	4.5-5.5 (%)	5.48%
Free amine and amine salts	0-0.05 (%)	0.04%
Appearance (H108696)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , Colorless to Faint Yellow ,Clear,100 mg/mL	pass	Pass



John Su  
QA & QC Manager