

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-14 11:54:59  
Date of Next Testing: 2028-10-13 11:54:59  
Product Name: **Hexadecylpyridinium chloride monohydrate**  
CAS Number: 6004-24-6  
Specifications & Purity:  $\geq 98\%$   
Lot #: A2104101  
SKU #: **H108696**  
Version: **1**  
Analysis #: **419327**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	99.12 %
Free amine and amine salts	0-0.05 (%)	0.02 %
Water by Karl Fischer	4.5-5.5 (%)	5.49 %
Melting point	81-86 (°C)	85.78600 °C
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 H <sub>2</sub> O , Colorless to Faint Yellow ,Clear,100 mg/mL	pass	Pass



John Su  
QA & QC Manager