

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-12 17:28:36
Date of Next Testing: 2028-11-11 17:28:36
Product Name: **Hexadecylpyridinium chloride monohydrate**
CAS Number: 6004-24-6
Specifications & Purity: $\geq 98\%$
Lot #: K2401699
SKU #: **H108696**
Version: **1**
Analysis #: **423067**
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	102.02 %
Melting point	81-86 (°C)	85.81000 °C
Water by Karl Fischer	4.5-5.5 (%)	5.45 %
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 H ₂ O , Colorless to Faint Yellow ,Clear,100 mg/mL	pass	Pass



John Su
QA & QC Manager