

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-01 16:32:18
Date of Next Testing: 2027-10-31 16:32:18
Product Name: **Hexadecylpyridinium chloride monohydrate**
CAS Number: 6004-24-6
Specifications & Purity: 98%
Lot #: J2323699
SKU #: **H108696**
Analysis: **285050**
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 (%)	5.36 %
Purity(Titration by AgNO3)	97.5-102.5 (%)	102.49 %
Melting point	81-86 (°C)	82.16000 °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
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