

## Certificate of Analysis

Date of Testing: 2022-11-07 15:25:57  
Date of Next Testing: 2024-10-27 15:25:57  
Product Name: **Hexadecylpyridinium bromide**  
CAS Number: 140-72-7  
Specifications & Purity: 96%  
Lot #: J2227144  
SKU #: **H108698**  
**Analysis:** **092750**  
Storage Temperature: Argon charged,Desiccated

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	3.3-3.8 (%)	3.36 %
Water by Karl Fischer	0-6 (%)	4.32 %
Carbon by Elemental Analysis	62.7-65.7 (%)	62.73 %
Purity(Titration by AgNO <sub>3</sub> )(anhydrous basis)	96-100 (%)	96.76 %
Appearance (H108698)	off-white powder	off-white powder
Solubility in EtOH , Colorless to Faint Yellow Clear(C = 5%)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager