

## Certificate of Analysis

Date of Testing: 2022-02-11 15:37:51  
Date of Next Testing: 2024-02-01 15:37:51  
Product Name: **Hexadecylpyridinium bromide**  
CAS Number: 140-72-7  
Specifications & Purity: 96%  
Lot #: B2207462  
SKU #: **H108698**  
Version: **0**  
Analysis #: **054946**  
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(Titration by AgNO <sub>3</sub> )(anhydrous basis)	96-100 (%)	96.54 %
Water by Karl Fischer	0-6 (%)	4.33 %
Carbon by Elemental Analysis	62.7-65.7 (%)	62.75 %
Nitrogen by Elemental Analysis	3.3-3.8 (%)	3.38 %
Appearance (H108698)	off-white powder	off-white powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Colorless to Faint Yellow Clear(C = 5%)	pass	Pass



John Su  
QA & QC Manager