

## Certificate of Analysis

Date of Testing: 2023-03-01 09:44:14  
Date of Next Testing: 2027-02-28 09:44:14  
Product Name: **Hexadecyltrimethylammonium chloride**  
CAS Number: 112-02-7  
Specifications & Purity: 97%  
Lot #: B2316336  
SKU #: **H105309**  
**Analysis:** **193047**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
PH(5% in water)	4-7.5	6.09
Water by Karl Fischer	0-5 (%)	0.22 %
Purity (Argentmetric Titration)	96.5-103.5 (%)	101.75 %
Appearance (H105309)	white amorphous powder	white amorphous powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O	Almost transparency	almost transparency



John Su  
QA & QC Manager