

## Certificate of Analysis

Date of Testing: 2023-08-11 17:55:35  
Date of Next Testing: 2027-08-10 17:55:35  
Product Name: **Hexadecyltrimethylammonium chloride**  
CAS Number: 112-02-7  
Specifications & Purity: 97%  
Lot #: H2308553  
SKU #: **H105309**  
**Analysis:** **209176**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
PH(5% in water)	4-7.5	4.79
Water by Karl Fischer	0-5 (%)	0.30 %
Purity (Argentometric Titration)	96.5-103.5 (%)	103.39 %
Appearance (H105309)	white amorphous powder	white amorphous powder
Solubility in H <sub>2</sub> O	Almost transparency	almost transparency
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager