

## Certificate of Analysis

Date of Testing: 2022-03-31 10:57:33  
Date of Next Testing: 2026-03-30 10:57:33  
Product Name: **Hexadecyltrimethylammonium chloride**  
CAS Number: 112-02-7  
Specifications & Purity: 97%  
Lot #: C2226540  
SKU #: **H105309**  
**Analysis:** **083790**  
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 (Argentometric 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    |



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