

## Certificate of Analysis

Date of Testing: 2022-01-25 10:24:30  
Date of Next Testing: 2024-01-15 10:24:30  
Product Name: **Hexadecyl trimethyl ammonium bromide**  
CAS Number: 57-09-0  
Specifications & Purity: for molecular biology,  $\geq 99\%$   
Lot #: A2220040  
SKU #: **H108985**  
**Analysis:** **070610**  
Storage Temperature: Argon charged

| Parameter   | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Purity(Titration by HClO <sub>4</sub> )   | 99-101 (%)            | 99.01%                |
| Purity(Titration by AgNO <sub>3</sub> )   | 99-102.5 (%)          | 99.21%                |
| Appearance (H108985)  | white powder          | White powder          |
| DNA precipitation test  | pass                  | Pass                  |
| DNase Detection   | none detected         | none detected         |
| Proton NMR spectrum   | Conforms to Structure | Conforms to Structure |
| RNases  | none detected         | none detected         |
| Solubility in H <sub>2</sub> O , Clear to Slightly Hazy (1 g + 10 mL, H <sub>2</sub> O) | pass                  | Pass                  |



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