

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-05-12 19:02:56  
 Date of Next Testing: 2028-05-01 19:02:56  
 Product Name: **Dihexadecyldimethylammonium bromide**  
 CAS Number: 70755-47-4  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: E2607048  
 SKU #: **D111776**  
 Version: **0**  
 Analysis #: **705709**  
 Storage Temperature: Room temperature

| Parameter                               | Limit Values                                      | Result                                            |
|-----------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Purity(Titration by AgNO <sub>3</sub> ) | 96.5-103.5 (%)                                    | 97.90000 %                                        |
| Water by Karl Fischer                   | 0-3 (%)                                           | 2.06800 %                                         |
| Appearance (D111776)                    | white to off-white powder, crystals and/or chunks | white to off-white powder, crystals and/or chunks |
| Infrared spectrum                       | Conforms to Structure                             | Conforms to Structure                             |
| Proton NMR spectrum                     | Conforms to Structure                             | Conforms to Structure                             |



John Su  
QA & QC Manager