

## Certificate of Analysis

Date of Testing: 2023-05-10 17:57:29

Date of Next Testing: 2025-05-09 17:57:29

Product Name: **Dimethyldioctadecylammonium bromide**

CAS Number: 3700-67-2

Specifications & Purity: >98%

Lot #: E2304189

SKU #: **D130818**

Version: **0**

Analysis #: **213412**

Storage Temperature: Argon charged, Desiccated

| Parameter                                                              | Limit Values              | Result                    |
|------------------------------------------------------------------------|---------------------------|---------------------------|
| Purity(Titration by AgNO <sub>3</sub> )                                | 98-102 (%)                | 101.56 %                  |
| Carbon by Elemental Analysis                                           | 70.5-74.1 (%)             | 72.32 %                   |
| Melting point                                                          | 154-162 (°C)              | 158.86000 °C              |
| Nitrogen by Elemental Analysis                                         | 1.9-2.5 (%)               | 2.37 %                    |
| Appearance (D130818)                                                   | White to Off-White Powder | White to Off-White Powder |
| Proton NMR spectrum                                                    | Conforms to Structure     | Conforms to Structure     |
| Solubility in EtOH , Colorless to Light Yellow Clear to Hazy(100mg/ml) | pass                      | Pass                      |



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