

## Certificate of Analysis

Date of Testing: 2024-08-12 11:28:52

Date of Next Testing: 2026-08-12 11:28:52

Product Name: **3-(Benzyldimethylammonio)propanesulfonate**

CAS Number: 81239-45-4

Specifications & Purity:  $\geq 99\%$

Lot #: H2405512

SKU #: **D136781**

Version: **0**

Analysis #: **376121**

| Parameter                                                  | Limit Values             | Result                   |
|------------------------------------------------------------|--------------------------|--------------------------|
| Calcium(Ca)                                                | 0-10 (ppm)               | 0.00 ppm                 |
| Nickel(ICP)                                                | 0-5 (ppm)                | 0.00 ppm                 |
| Potassium(K)(ICP)                                          | 0-50 (ppm)               | 0.00 ppm                 |
| Copper(ICP)                                                | 0-5 (ppm)                | 0.00 ppm                 |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                    | 0-50 (ppm)               | 0.00 ppm                 |
| Magnesium(Mg)                                              | 0-5 (ppm)                | 0.00 ppm                 |
| Chloride (Cl <sup>-</sup> )                                | 0-50 (ppm)               | 18.00 ppm                |
| Cobalt(ICP)                                                | 0-5 (ppm)                | 0.00 ppm                 |
| Sodium(ICP)                                                | 0-50 (ppm)               | 0.00 ppm                 |
| Chromium (ICP)                                             | 0-5 (ppm)                | 0.00 ppm                 |
| Purity(HPLC)                                               | 98-100 (%)               | 99.36700 %               |
| Manganese(ICP)                                             | 0-5 (μg/g)               | 0.00 μg/g                |
| lead by ICP-atomic emission                                | 0-5 (ppm)                | 0.00 ppm                 |
| Cadmium(Cd)                                                | 0-5 (ppm)                | 0.00 ppm                 |
| Zinc(ICP)                                                  | 0-5 (ppm)                | 0.00 ppm                 |
| Iron(ICP)                                                  | 0-5 (ppm)                | 0.00 ppm                 |
| Melting point                                              | 245-250 (°C)             | 245.10000 °C             |
| Appearance (D136781)                                       | colorless or white solid | colorless or white solid |
| Proton NMR spectrum                                        | Conforms to Structure    | Conforms to Structure    |
| Solubility in H <sub>2</sub> O , Colorless Clear(10 mg/ml) | pass                     | Pass                     |



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager