

## Certificate of Analysis

Date of Testing: 2025-03-14 15:06:14

Date of Next Testing: 2027-03-04 15:06:14

Product Name: **Dimidium bromide**

CAS Number: 518-67-2

Specifications & Purity:  $\geq 95\%$

Lot #: C2513693

SKU #: **D113500**

Version: **1**

Analysis #: **476641**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                                                        | Limit Values                              | Result                                    |
|--------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|
| Purity(HPLC)                                                                                     | 95-100 (%)                                | 98.78200 %                                |
| Purity(with Total Nitrogen)                                                                      | 95-100 (%)                                | 96.17 %                                   |
| Appearance (D113500)                                                                             | Red to purple Powder or Solid or Crystals | Red to purple Powder or Solid or Crystals |
| Proton NMR spectrum                                                                              | Conforms to Structure                     | Conforms to Structure                     |
| Solubility in H <sub>2</sub> O                                                                   | Almost transparency                       | almost transparency                       |
| Fluorescence(pH 7.6, low ionic strength)                                                         | $\lambda_{\text{ex}}$ 480                 | $\lambda_{\text{ex}}$ 480                 |
| Fluorescence, $\lambda_{\text{ex}}$ 306 nm; $\lambda_{\text{em}}$ 612 nm 50 mM Tris pH 8.0 (DNA) | Conforms                                  | Conforms                                  |



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