



MP Biomedicals, LLC

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## Certificate of Analysis

**Product Description:** Sodium Dodecyl Sulfate, molecular biology reagent  
**Catalog Number:** 194831\_  
**Lot:** YC0527 \_

**Formula:** C<sub>12</sub>H<sub>25</sub>O<sub>4</sub>SNa  
**CAS #:** 151-21-3  
**Physical Description:** White Crystal

**Formula Weight:** 288.4  
**Storage:** 15 - 30°C

| Test                  | Specification        | Result               |
|-----------------------|----------------------|----------------------|
| Identity Test         | Passes               | Passes               |
| Purity                | ~99%                 | 99.3%                |
| FTIR                  | Conforms to Standard | Conforms to Standard |
| Melting Point         | 180 - 210°C          | 183.0°-194.0°C       |
| OD260 nm (1% aq soln) | #0.1                 | 0.02                 |
| OD280 nm (1% aq soln) | #0.1                 | 0.012                |
| pH (1% aq soln)       | 6 - 11               | 10.2                 |

Heave Metals (as Pb): <20 ppm  
Loss on Drying: 1.8%  
Total Plate Count: < 10 cfu/g  
Yeast and Mold: < 10 cfu/g  
E.coli: Negative

Recommended Retest Date (MM/DD/YYYY): 01/25/2025

07/15/2022 - Fengqi An  
MP Biomedicals, LLC.  
Life Science QC Supervisor

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