

Certificate of Analysis

Date of Testing: 2023-10-17 10:48:52
 Date of Next Testing: 2025-10-06 10:48:52
 Product Name: **Sodium dodecyl sulfate**
 CAS Number: 151-21-3
 Specifications & Purity: for molecular biology, ≥98.5% (GC)
 Lot #: J2310378
 SKU #: **S118591**
Analysis: **286682**
 Storage Temperature: Room temperature, Desiccated

| Parameter | Limit Values | Result |
|---|--|--|
| Lead(Pb) | 0-10 (ppm) | 2.16 ppm |
| Phosphate(PO4) | 0-10 (ppm) | 1.16 ppm |
| Sodium(Na) | 7-9 (%) | 8.20 % |
| Purity(GC) | 98.5-100 (%) | 99.67 % |
| UV Absorbance 280nm (3% w/v in H2O) | 0-0.3 | 0.08 |
| Chloride | 0-500 (ppm) | 2.57 ppm |
| Water by Karl Fischer | 0-2 (%) | 1.03 % |
| UV Absorbance 260nm (3% w/v in H2O) | 0-0.3 | 0.18 |
| Appearance (S118591) | White to Off-White Powder or Solid or Chunks | White to Off-White Powder or Solid or Chunks |
| DNases | none detected | none detected |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| RNases | none detected | none detected |
| Solubility in H2O , clear colorless to very faint yellow, 20g/100ml | pass | Pass |



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager