

## Certificate of Analysis

Date of Testing: 2023-09-19 13:04:31  
 Date of Next Testing: 2025-09-08 13:04:31  
 Product Name: **Sodium dodecyl sulfate**  
 CAS Number: 151-21-3  
 Specifications & Purity: for molecular biology,  $\geq 98.5\%$  (GC)  
 Lot #: I2315252  
 SKU #: **S118591**  
**Analysis:** **278217**  
 Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Lead(Pb)	0-10 (ppm)	1.02 ppm
Phosphate(PO <sub>4</sub> )	0-10 (ppm)	0.22 ppm
Sodium(Na)	7-9 (%)	7.85 %
Purity(GC)	98.5-100 (%)	98.79 %
UV Absorbance 280nm (3% w/v in H <sub>2</sub> O)	0-0.3	0.14
Chloride	0-500 (ppm)	2.21 ppm
Water by Karl Fischer	0-2 (%)	0.90 %
UV Absorbance 260nm (3% w/v in H <sub>2</sub> O)	0-0.3	0.21
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 H <sub>2</sub> O , clear colorless to very faint yellow, 20g/100ml	pass	Pass



ALADDIN SCIENTIFIC CORPORATION

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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