

Certificate of Analysis

Date of Testing: 2023-10-17 10:49:49
 Date of Next Testing: 2025-10-06 10:49:49
 Product Name: **Sodium dodecyl sulfate**
 CAS Number: 151-21-3
 Specifications & Purity: for molecular biology, $\geq 98.5\%$ (GC)
 Lot #: J2310377
 SKU #: **S118591**
Analysis: **286682**
 Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Lead(Pb)	0-10 (ppm)	2.16 ppm
Phosphate(PO ₄)	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 H ₂ O)	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 H ₂ O)	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 H ₂ 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