

Certificate of Analysis

Date of Testing: 2023-11-28 16:40:16

Date of Next Testing: 2025-11-17 16:40:16

Product Name: **Sodium dodecyl sulfate**

CAS Number: 151-21-3

Specifications & Purity: for molecular biology, ≥98.5% (GC)

Lot #: K2327349

SKU #: **S118591**

Analysis: **299778**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Lead(Pb)	0-10 (ppm)	1.06 ppm
Phosphate(PO4)	0-10 (ppm)	1.18 ppm
Sodium(Na)	7-9 (%)	8.53 %
Purity(GC)	98.5-100 (%)	98.99 %
UV Absorbance 280nm (3% w/v in H2O)	0-0.3	0.06
Chloride	0-500 (ppm)	2.65 ppm
Water by Karl Fischer	0-2 (%)	0.28 %
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



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager