

## Certificate of Analysis

Date of Testing: 2023-07-25 17:49:50

Date of Next Testing: 2027-07-24 17:49:50

Product Name: **Sodium dodecyl sulfate**

CAS Number: 151-21-3

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

Lot #: G2321139

SKU #: **S108346**

**Analysis:** **161956**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	98.5-100 (%)	99.78 %
Purity(Titration)	98.5-101.5 (%)	100.05 %
Sodium(Na)	7-9 (%)	7.10 %
Carbon by Elemental Analysis	49.2-50.7 (%)	49.49 %
Water by Karl Fischer	0-2 (%)	0.61 %
Appearance (S108346)	White to Off-White Powder or Solid	White to Off-White Powder or Solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Very Faint Yellow,Clear,200 mg/ml	pass	Pass
Test for use in denatured polyacrylamide gel electrophoresis	Pass	Pass



John Su  
QA & QC Manager