

## Certificate of Analysis

Date of Testing: 2024-12-07 16:07:18  
Date of Next Testing: 2028-12-06 16:07:18  
Product Name: **Sodium dodecyl sulfate**  
CAS Number: 151-21-3  
Specifications & Purity: Ultra pure,  $\geq 99\%$ (GC)  
Lot #: L2406290  
SKU #: **S108349**  
Version: **1**  
Analysis #: **128385**  
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
PH (1%; Water , 20°C)	6-9	6.85
Loss on drying(hv, 20-25°C)	0-0.5 (%)	0.33 %
UV Absorbance 280nm(1cm/0.1M,H <sub>2</sub> O)	0-0.05	0.01
UV Absorbance 260nm(1 cm/0.1 M in H <sub>2</sub> O)	0-0.08	0.02
Water by Karl Fischer	0-0.05 (%)	0.01 %
Carbon by Elemental Analysis	49.3-50.7 (%)	49.49 %
Phosphate(PO <sub>4</sub> )	0-0.0001 (%)	0.00 %
(Pb)Lead	0-0.0001 (%)	0.00 %
Sodium(Na)	7.1-9 (%)	7.11 %
Purity(GC)	99-100 (%)	99.35 %
Appearance (S108349)	white powder or solid	white powder or solid
Insoluble matter	pass	Pass
Solubility(0.1m in water)	Clear colorless	Clear Colorless
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su  
QA & QC Manager