

# Certificate of Analysis

**Product Name :** Sodium dodecyl sulfate BioReagent, suitable for electrophoresis, Molecular Biology, ≥98.5% (GC)  
**Product Number :** L3771-100G  
**Batch Number :** 0000485456  
**Source Batch :** 0000478246  
**CAS Number :** 151-21-3  
**MDL Number :** MFCD00036175  
**Molecular Formula :** C<sub>12</sub>H<sub>25</sub>NaO<sub>4</sub>S  
**Formula Weight :** 288.38 g/mol  
**Quality Release Date :** 22 Jul 2025

Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity) 200 mg/ml, H <sub>2</sub> O	Clear	Clear
Heavy Metals (as Lead)	≤ 10 ppm	< 10 ppm
Chloride (Cl) by Specific Ion Electrode < or = 500 ppm	Pass	Pass
Phosphate (PO <sub>4</sub> )	≤ 10 ppm	< 10 ppm
A260 UV Absorption 3% in H <sub>2</sub> O	≤ 0,1	0,0
A280 UV Absorption 3% in H <sub>2</sub> O	≤ 0,1	0,0
Suitability Suitable for use in denatured polyacrylamide gel electrophoresis	Suitable	Suitable
Purity (GC)	≥ 98,5 %	99,7 %
Water (by Karl Fischer)	≤ 2,0 %	0,2 %
Sodium (Na) by ICP	7,0 - 9,0 %	8,0 %
DNase, Exonuclease Detection	None Detected	None Detected
RNase Detection	None Detected	None Detected

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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Pramod Kadam(PhD),Manager  
Analytical  
Bangalore  
IN

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