

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 ₁₂ H ₂₅ NaO ₄ 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)	Clear	Clear
200 mg/ml, H ₂ O		
Heavy Metals (as Lead)	≤ 10 ppm	< 10 ppm
Chloride (Cl)	Pass	Pass
by Specific Ion Electrode < or = 500 ppm		
Phosphate (PO ₄)	≤ 10 ppm	< 10 ppm
A260 UV Absorption	≤ 0,1	0,0
3% in H ₂ O		
A280 UV Absorption	≤ 0,1	0,0
3% in H ₂ O		
Suitability	Suitable	Suitable
Suitable for use in denatured polyacrylamide gel electrophoresis		
Purity (GC)	≥ 98,5 %	99,7 %
Water (by Karl Fischer)	≤ 2,0 %	0,2 %
Sodium (Na)	7,0 - 9,0 %	8,0 %
by ICP		
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. 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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Page 1 of 2

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Product L3771-100G
Batch 0000485456



Pramod Kadam(PhD),Manager

Analytical

Bangalore

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Page 2 of 2

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