

Certificate of Analysis

Sodium dodecyl sulfate For Electrophoresis and Protein Solubilization

Product Number	PS1921	CAS No.	151-21-3
Brand	PureSynth	Lot No.	S1921W1124
Molecular Formula	C ₁₂ H ₂₅ NaO ₄ S	Date of Mfg.	November, 2024
Molecular Weight	288.38 g/mol	Date of Exp.	October, 2027

Test	Specification	Result
Appearance	White Crystalline powder	White Crystalline powder
Assay	≥ 99.0 %	99.23 %
Solubility - Color (In H ₂ O)	Colorless to faint yellow	Colorless
Solubility - Turbidity (In H ₂ O)	Clear	Clear
Chloride (Cl)	NMT 0.03 %	0.02 %
Heavy metals (As Pb)	NMT 2 ppm	Conforms
Phosphate (PO ₄)	NMT 1 ppm	0.9 ppm
Trace impurities - Iron (Fe)	NMT 1 ppm	1 ppm
Absorbance (3 % w/v aqueous solution)		
At 280 nm	NMT 0.1	0.008
DNase activity	Not detected	Not detected
RNase activity	Not detected	Not detected
Suitability for use in denatured PAGE	Suitable	Suitable

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Condition: Store at room temperature and keep container tightly closed in a well-ventilated place.

Remark: The batch complies with the prescribed quality of the above specification.

Approved By
Head - Technical

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