

Certificate of Analysis

Product Name:

Sodium Dodecyl Sulfate, *PurBio*, For Electrophoresis, Molecular Biology, ≥98.5%

Product No.: PSR45732
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 151-21-3
Molecular Formula: $C_{12}H_{25}NaO_4S$
Molecular Weight: 288.38 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	White to Off-White Powder	White Powder
Assay (By GC)	≥ 98.5 %	99.80 %
Solubility (200 mg/ml, H ₂ O)	Colorless to Faint Yellow Clear Solution	Colorless Clear Solution
Water (By KF)	NMT 2.000 %	0.439 %
Chloride (Cl)	NMT 500 ppm	<500 ppm
Heavy Metals (as Pb)	NMT 10 ppm	<10 ppm
Phosphate (PO ₄)	NMT 10 ppm	<10 ppm
Absorbance at 260 nm (3% w/v aqueous solution)	NMT 0.1	<0.1
Absorbance at 280 nm (3% w/v aqueous solution)	NMT 0.1	<0.1
Sodium Content (By ICP)	7.0 - 9.0 %	7.50 %
DNase Detection	Not Detected	Not Detected
RNase Detection	Not Detected	Not Detected
Suitability for use in denatured polyacrylamide gel electrophoresis	Complies	Complies

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a room temperature and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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