

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

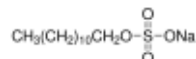
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Sodium dodecyl sulfate solution – BioUltra, for molecular biology, 10% in H₂O

Product Number: 71736



Formula: C₁₂H₂₅NaO₄S
Formula Weight: 288,38 g/mol

TEST	Specification
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Appearance (Colour)	Colorless
Appearance (Form)	Liquid
Titration (Ion Exchange)	9.8 - 10.2 %
Density (D ₂₀ /4)	1.005 - 1.015
Refractive index at 20 °C	1.342 - 1.348
Metal Trace Analysis (ICP)	Corresponds to Requirements
Aluminum (Al)	≤ 1 mg/kg
Barium (Ba)	≤ 1 mg/kg
Bismuth (Bi)	≤ 1 mg/kg
Calcium (Ca)	≤ 5 mg/kg
Cadmium (Cd)	≤ 1 mg/kg
Cobalt (Co)	≤ 1 mg/kg
Chromium (Cr)	≤ 1 mg/kg
Copper (Cu)	≤ 1 mg/kg
Iron (Fe)	≤ 1 mg/kg
Potassium (K)	≤ 20 mg/kg
Lithium (Li)	≤ 1 mg/kg
Magnesium (Mg)	≤ 1 mg/kg
Manganese (Mn)	≤ 1 mg/kg
Molybdenum (Mo)	≤ 1 mg/kg
Nickel (Ni)	≤ 1 mg/kg
Lead (Pb)	≤ 1 mg/kg
Strontium (Sr)	≤ 1 mg/kg

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. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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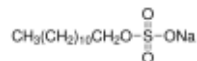
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C₁₂H₂₅NaO₄S

Formula Weight:

288,38 g/mol

TEST	Specification
Zinc (Zn)	≤ 1 mg/kg
Arsenic (As) (MHS-AAS)	≤ 0.1 mg/kg
Chloride (Cl)	≤ 50 mg/kg
Phosphate (PO ₄)	≤ 1 mg/kg
Extraneous Activities DNAses, RNAses, Proteases, Phosphatases Not Detectable	None Detected
Appearance of solution (Clear Colorless) Neat	Conforms
Filtered (No Residue on Filter Test)	No Residue
UV Absorbance 260nm	≤ 0.300
UV Absorbance 280nm	≤ 0.200

Specification: PRE.0.ZQ5.10000020548

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