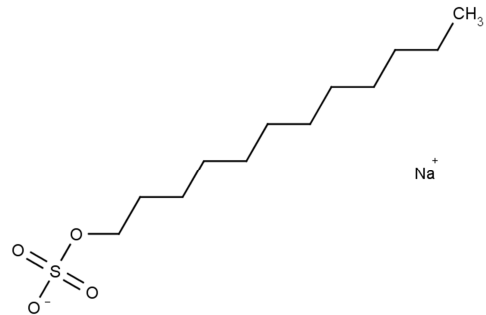


Sodium Dodecyl Sulfate (SDS), pure

Catalog No:	04051
Lot No:	XXXXX
Cas No:	151-21-3
Formula:	$C_{12}H_{25}NaO_4S$
MW:	288.38
Supplied as:	solid
Stability:	stable at room temperature



Background

SDS is commonly used in preparing proteins for electrophoresis in SDS-PAGE. This compound works by disrupting non-covalent bonds in the proteins, denaturing them, and causing the molecules to lose their native conformation. This new negative charge is significantly greater than the original charge of that protein. The electrostatic repulsion that is created by binding of SDS causes proteins to unfold into a rod-like shape thereby eliminating differences in shape as a factor for separation in the gel.

Tests

Appearance:	white to yellowish powder
Appearance of solution:	yellowish
Assay (titr.):	≥95%
pH (10%, H₂O, 25°C):	7.0 – 10.5
Sodium chloride:	≤1.0%
Sodium sulfate:	≤2.5%
Water:	≤3%

Specifications

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Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.