



# Product Specifications

## SDS Sodium Dodecyl Sulfate

<u>Catalog #</u>	<u>Size</u>
IB07060	100gm
IB07062	500gm

### Physical Specifications

CAS#	151-21-3
Molecular Formula	$C_{12}H_{25}NaO_4S$
Molecular Weight	288.38
Purity	Min. 99.0%
A260 (3%, water)	Max. 0.1
A280 (3%, water)	Max. 0.1
Chloride	Max. 0.1%
Phosphate	Max. 0.0005%
Heavy Metals (as Pb)	Max. 0.0005%
Copper	Max. 0.0005%

### Molecular Biology Specifications

DNase assay	None Detected
RNase assay	None Detected
Protease assay	None Detected

### Recommended Use

SDS is an ionic detergent used to denature proteins in hybridization, nucleic acid purification, and electrophoresis.

10% SDS Solution: Dissolve 100gm of SDS in 900ml of H<sub>2</sub>O. Heat to 68°C to assist dissolution. Adjust the pH to 7.2 by adding a few drops of HCl. Adjust the volume to 1L with H<sub>2</sub>O. Dispense into aliquots.

### Storage

Store at room temperature. Protect from moisture.

### Warning

Irritant. Sensitizer. Flammable Solid. Causes irritation to eyes, skin and mucous membranes. Avoid breathing dust. Wash thoroughly with water after handling. Do not take internally. See Material Safety Data Sheet for additional information.