

## Certificate of Analysis

**Product Name:** Sodium dodecyl sulphate solution

**Catalog No.:** 3166

**Batch No.:** 1

CAS Number: 151-21-3

IUPAC Name: Dodecyl sulfuric acid ester sodium salt

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:**  $C_{12}H_{25}O_4SNa$   
**Batch Molecular Weight:** 288.38  
**Physical Appearance:** Colourless liquid  
**Solubility:** Soluble in water (supplied as a 20% w/v solution)  
**Storage:** Store at RT  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**pH:** 6.5

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

## Product Information

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**Catalog No.:** 3166

**Batch No.:** 1

CAS Number: 151-21-3

EC Number:

IUPAC Name: Dodecyl sulfuric acid ester sodium salt

**Description:**

Detergent used in electrophoresis of proteins.

**Physical and Chemical Properties:**

Batch Molecular Formula: C<sub>12</sub>H<sub>25</sub>O<sub>4</sub>SNa

Batch Molecular Weight: 288.38

Physical Appearance: Colourless liquid

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

Soluble in water (supplied as a 20% w/v solution)

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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