

# Product Information

## Sodium Sulfated Cellulose

**Product Number: 201300**

### Synonyms

Sodium Salt of Sulfated Cellulose

Sodium Cellulose Sulfate

### Specifications

CAS Number: -

M.F. (Repeat Unit):  $C_{12}O_{13}SH_{19}Na$

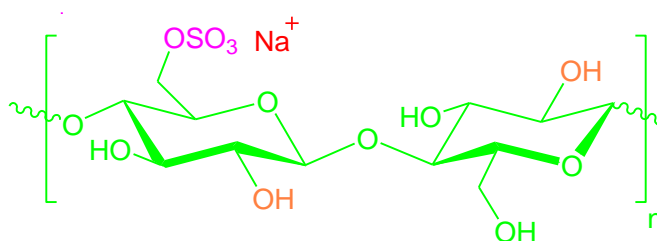
M.W. (Repeat Unit): 426.32 g.mol<sup>-1</sup>

Appearance (Form): Microfiber

Appearance (Color): White

Infrared spectrum: Conforms to Structure

Store: at 2 – 8 °C



Purity: ≥ 98%

Degree of Substitution: 0.5 – 0.6 (2.1 – 2.2 mmol.g<sup>-1</sup>)

pH: 6 – 7 (c = 10 mg.mL<sup>-1</sup>; Water)

Solubility (Water): Insoluble

### Description

Sodium Sulfated Cellulose is an anionic fibrous material with the ability of dispersion into aqueous media. Generally, sodium sulfated cellulose has favorable physicochemical and biological properties, such as high potential zeta, low toxicity, and good biocompatibility. It has been focused as a semi-synthetic biopolymer catalyst for catalysis of small molecules synthesis. Also, it has shown good capability for remediation of toxic cationic pollutants and dyestuff.

### Applications

It is used as a green, biopolymer catalyst or support for synthesis of small molecules, tissue engineering, wound dressings, and drug carrier in delivery systems.

### Precautions

For laboratory and research use. Not for drug, household or other uses.

### Stability

At refrigerator, the sodium sulfated cellulose microfibers are stable for at least 6 months. Its storage at room temperature for more than 4 weeks may cause decomposition and yield incorrect results.

### Packaging

1 and 5 g in plastic bottle