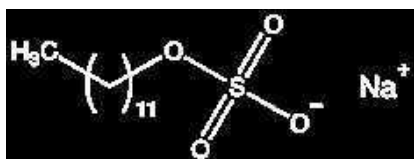


## SODIUM LAURYL SULFATE



- Synonyms: Dodecyl sulfate sodium salt, SDS
- $C_{12}H_{25}NaO_4S$
- $M = 288,38 \text{ g/mol}$
- CAS [151-21-3]
- EINECS-No.: 205-788-1
- Solub. in water: (20 °C): > 130 g/l
- Melting point: 205 °C
- Boiling point: 216 °C
- Flash pt. 170 - 180 °C
- Ignition temp.: 310,5 °C
- Vapour pressure: 0,18 Pa (20 °C)
- LD 50 (oral, rat): 1288 mg/kg

- ADR: 4.1 F1 III UN 1325
- IMDG: 4.1 III UN 1325
- IATA/ICAO: 4.1 III UN 1325
- GHS-signal word: Danger
- GHS-H sentences: H311 - H318 - H228 - H302 - H332 - H315 - H335 - H412
- GHS-P sentences: P210 - P241 - P305 + P351 + P338 - P361 - P405 - P501a
- Tariff number: 2920 90 10 90
- Applications: in biochemistry, for determination of: tensioactive substances.
- Appearance: White

### SO0450 Sodium lauryl sulfate, 95%, EssentQ®



chlorides (Cl) ..... 0,1 - 1 %  
sulfates (SO<sub>4</sub>) ..... 0,1 - 3 %  
heavy metals (as Pb) ..... max. 0,001 %  
loss on drying (110 °C) ..... max. 2 %

ART. NO.	VOLUME	CONTAINER
SO04500500	500 g	Ⓟ
SO04501000	1 kg	Ⓟ

ART. NO.	VOLUME	CONTAINER
SO0450005P	5 kg	Ⓟ

### SO0499 Sodium lauryl sulfate, Pharmpur® , Ph Eur, BP, NF



Assay (as sodium alkyl sulfates) ..... min. 85,0 %  
Identification IR ..... passes test  
Identification A (EP)/  
Identification D (USP) ..... passes test  
Identification B (EP)/  
Identification E (USP) ..... passes test  
Identification C (EP) ..... passes test  
Identification D (EP)/  
Identification C (USP) ..... passes test  
Identification A (USP) ..... passes test  
Identification B (USP) ..... passes test

alkalinity ..... passes test  
Sum of sodium chloride and sodium sulfate ..... max. 3,5 %  
total alcohols ..... max. 59,0 %  
non-esterified alcohols ..... max. 4,0 %  
unsulfated alcohols ..... max. 4,0 %

Residual solvents are analysed according to guideline CPMP/ICH/283/95.  
Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.

ART. NO.	VOLUME	CONTAINER
SO04990500	500 g	Ⓟ

### SD0010 Sodium lauryl sulfate, molecular biology grade



assay (complexometric) ..... min. 99 %  
identity (IR-spectrum) ..... passes test  
solubility in ethanol ..... passes test  
absorbance of an aqueous solution (3 %) in a 1 cm cell at 264 nm ..... max. 0,1 AU  
absorbance of an aqueous solution (3 %) in a 1 cm cell at 280 nm ..... max. 0,1 AU

chlorides (Cl) ..... max. 0,01 %  
phosphates (as PO<sub>4</sub>) ..... max. 0,0001 %  
copper (Cu) ..... max. 5 ppm  
heavy metals (as Pb) ..... max. 5 ppm  
water (K.F.) ..... max. 2 %  
DNases, RNases ..... non detected

ART. NO.	VOLUME	CONTAINER
SD00100050	50 g	Ⓟ
SD00100500	500 g	Ⓟ
SD00101000	1 kg	Ⓟ

### SO0456 Sodium lauryl sulfate, for ion-pair chromatography



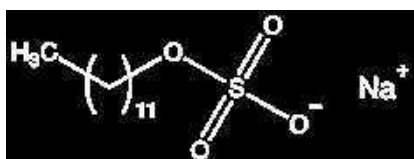
identity (IR-spectrum) ..... passes test  
insoluble matter ..... passes test  
pH (10 %, H<sub>2</sub>O) ..... 6,0 - 7,5  
loss on drying (120 °C) ..... max. 2 %

max. absorbance of an aqueous sol. 10 % in a 1,0 cm cell at wavelength  
210 nm ..... 0,1 AU  
220 nm ..... 0,06 AU  
230 nm ..... 0,04 AU  
260 nm ..... 0,02 AU

ART. NO.	VOLUME	CONTAINER
SO04560025	25 g	Ⓟ
SO04560100	100 g	Ⓟ

## SODIUM LAURYL SULFATE, VOLUMETRIC SOLUTIONS

### SO0458 Sodium lauryl sulfate, solution 0,004 mol/l



- $C_{12}H_{25}NaO_4S$
- $M = 288,38 \text{ g/mol}$
- CAS [151-21-3]
- EINECS-No.: 205-788-1
- Density: 1,00 g/cm<sup>3</sup>
- LD 50 (oral, rat): 1288 mg/kg (pure substance)
- Tariff number: 2920 90 10 90
- Applications: analytical chemistry, for determination of: tensioactive substances.

factor ..... 0,995 - 1,005  
1 ml = 0,001153 g  $C_{12}H_{25}NaO_4S$   
This volumetric solution was freshly prepared from sodium lauryl sulfate, reagent grade

ART. NO.	VOLUME	CONTAINER
SO04581000	1 l	Ⓟ