

**PRODUCT CODE: 142363**

**SDS (USP-NF, BP, Ph. Eur.) pure, pharma grade**

C<sub>12</sub>H<sub>25</sub>NaO<sub>4</sub>S

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M.= 288,38

CAS [151-21-3]

EINECS 205-788-1

TARIC 2920 90 10 90

**SYNONYMS:** Dodecyl Sulphate Sodium Salt, Laurylsulphate Sodium Salt, SDS, Sodium Laurylsulphate

**PHYSICAL DATA:** crystalline powder, White, Soluble in water 100 g/l at 20 °C M.P.: 204 - 207 °C • pH7,5 - 9,0 •

**BIBLIOGRAPHY:** Merck Index **12**, 8.782 13, 8.710 Sax **SON500** • Safety **2**, **1495 C** • Beilstein **1**, **III**, **1785 IV**, **1847** • BRN 3599286 • Fieser **13281** • ACS **XI** • BP.**2021** • USP **-NF 37** • Ph. Eur. **9.0** (2017) **10.0** (2020) • F.C.C **11 12** • Royal Decree I1222 **98386** •

**HAZARDOUS:** RTECS: WT 1050000 • LD50 oral rat 1.288 mg/kg •



H: H302 • H332 • H315 • H228 • H318 • H335 • H412 •

P: P210 • P240 • P241 • P261 • P264 • P501 • P270 • P271 • P273 • P280 • P301+P312 • P302+P352 • P304+P340 • P305+P351+P338 • P310 • P312 • P321 • P330 • P332+P313 • P362 • P370+P378 • P403+P233 • P405 • • •

**TRANSPORT REGULATIONS:** UN: 1325 • ADR: 4.1/II • IMDG: 4.1/II • IATA: 4.1/ • PAX: 445 • CAO: 448 • (E) •

**SPECIFICATIONS:**

Minimum assay	90,0%
Identity :	
Identity according to Pharmacopoeias:	passes test

**Maximum limit of impurities**

Alkalinity	passes test
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Residual solvents (Ph.Eur/USP)	passes test
Non-esterified alcohols	4,0%
Sodium Chloride and Sodium Sulfate (USP-NF)	8,0%
Sodium Chloride and Sodium Sulfate (Ph. Eur.)	8,0%
Total alcohols minimum	59,0%

Elemental impurities (ICH Q3D):

Class 1	
Cd	0,5 ppm
Pb	5 ppm
As	1,5 ppm
Hg	1,5 ppm
Class 2A	
Co	5 ppm
V	10 ppm
Ni	20 ppm
Class 2B	
Tl	5 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm
Class 3	
Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm