



# INDOFINE Chemical Company, Inc.

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## *Certificate of Analysis*

**Catalogue Number** BIO-353  
**Product** **Lauryl sulfate sodium salt, NF/EP/USP**

**Lot Number** 000347-74703210  
Sodium dodecyl sulfate  
SDS

**CAS Number** 151-21-3  
**Molecular Formula**  $C_{12}H_{25}O_4SNa$

**Molecular Weight** 288.38

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|------------------------------------|---|
| <b>Appearance</b>                  | Free flowing white powder   |
| <b>Color (APHA)</b>                | 7.4 (C=10% in H <sub>2</sub> O)   |
| <b>Solubility</b>                  | Clear, < 30 specks/50 g (30°C)  |
| <b>Heavy Metals</b>                | < 20 ppm  |
| <b>Cation</b>                      | Iron(Fe): < 10ppm   |
| <b>Water Content (Karl Fisher)</b> | 0.98%   |
| <b>pH</b>                          | 9.75 (C=1% in H <sub>2</sub> O)   |
| <b>Alkalinity</b>                  | 0.18 mL/g   |
| <b>Insoluble</b>                   | 0.98% (Alcohol)   |
| <b>Organic Volatile Impurities</b> | NF Requirements   |
| <b>Assay</b>                       | 97.43% (Active)   |
| <b>Grade</b>                       | NF/EP/USP   |
| <b>Storage</b>                     | Store at RT   |
| <b>Additional Information</b>      | Unsulfated alcohol: 0.32%<br>Total alcohol: 64.51%<br>Solids: 99.01<br>Sodium Chloride: 0.016%<br>Sodium Sulfate: 0.82%<br>Identification NF/EP: Tests A, B, C, D |