

## Certificate of Analysis

Date of Testing: 2023-10-18 10:11:20  
Date of Next Testing: 2027-10-17 10:11:20  
Product Name: **Sodium 1-hexanesulfonate**  
CAS Number: 2832-45-3  
Specifications & Purity: for ion chromatography, 98%  
Lot #: J2309729  
SKU #: **S104948**  
Analysis: **280302**

| Parameter                                | Limit Values            | Result                  |
|--|-------------------------|-------------------------|
| UV Absorbance 210nm(10 % in H2O)         | 0-0.1                   | 0.05                    |
| UV Absorbance 220nm(10 % in H2O)         | 0-0.06                  | 0.03                    |
| UV Absorbance 260nm(10 % in H2O)         | 0-0.02                  | 0.01                    |
| UV Absorbance 230nm(10 % in H2O)         | 0-0.04                  | 0.02                    |
| UV Absorbance 500nm(10 % in H2O)         | 0-0.02                  | 0.00                    |
| Purity(Ion exchange titration)           | 98-105 (%)              | 98.00 %                 |
| Appearance (S104948)                     | white powder            | White powder            |
| Filtration test                          | corresponds to standard | corresponds to standard |
| Infrared spectrum                        | Conforms to Structure   | Conforms to Structure   |
| RP gradient test                         | pass test               | pass test               |
| Solubility in H2O , Solution transparent | pass                    | Pass                    |



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