

## Certificate of Analysis

Date of Testing: 2025-02-07 14:41:30

Date of Next Testing: 2029-02-06 14:41:30

Product Name: **Sodium 1-octanesulfonate**

CAS Number: 5324-84-5

Specifications & Purity: for ion pair chromatography, ≥99%

Lot #: A2522109

SKU #: **S108927**

Version: **0**

Analysis #: **462390**

| Parameter                            | Limit Values             | Result                   |
|--------------------------------------|--------------------------|--------------------------|
| UV Absorbance 220nm                  | 0-0.06                   | 0.05                     |
| UV Absorbance 500nm                  | 0-0.02                   | 0.00                     |
| Purity(Ion exchange titration)       | 98.5-101.5 (%)           | 99.37 %                  |
| UV Absorbance 210nm                  | 0-0.1                    | 0.09                     |
| UV Absorbance 260nm                  | 0-0.02                   | 0.02                     |
| Loss on drying                       | 0-2 (%)                  | 1.00 %                   |
| UV Absorbance 230nm                  | 0-0.04                   | 0.04                     |
| Appearance (S108927)                 | white crystalline powder | white crystalline powder |
| Infrared spectrum                    | Conforms to Structure    | Conforms to Structure    |
| Membrane filtration test( 0.4 M sol) | Passes test              | Passes test              |
| Proton NMR spectrum                  | Conforms to Structure    | Conforms to Structure    |
| RP gradient test                     | pass test                | pass test                |
| λ,10% in H2O                         | Pass                     | Pass                     |



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