

## Certificate of Analysis

|                          |                               |
|--------------------------|-------------------------------|
| Date of Testing:         | 2022-11-30 17:41:11           |
| Date of Next Testing:    | 2026-11-29 17:41:11           |
| Product Name:            | <b>Sodium dodecyl sulfate</b> |
| CAS Number:              | 151-21-3                      |
| Specifications & Purity: | Ultra pure, ≥99.0% (GC)       |
| Lot #:                   | K2225790                      |
| SKU #                    | <b>S108349</b>                |
| Version                  | <b>1</b>                      |
| Analysis #:              | <b>128385</b>                 |
| Storage Temperature:     | Argon charged, Desiccated     |

| Parameter                              | Limit Values          | Result                |
|--|-----------------------|-----------------------|
| PH (1%; Water , 20°C)                  | 6-9                   | 6.85                  |
| Loss on drying(hv, 20-25°C)            | 0-0.5 (%)             | 0.33 %                |
| UV Absorbance 280nm(1cm/0.1M,H2O)      | 0-0.05                | 0.01                  |
| UV Absorbance 260nm(1 cm/0.1 M in H2O) | 0-0.08                | 0.02                  |
| Water by Karl Fischer                  | 0-0.05 (%)            | 0.01 %                |
| Carbon by Elemental Analysis           | 49.3-50.7 (%)         | 49.49 %               |
| Phosphate(PO4)                         | 0-0.0001 (%)          | 0.00 %                |
| (Pb)Lead                               | 0-0.0001 (%)          | 0.00 %                |
| Sodium(Na)                             | 7.1-9 (%)             | 7.11 %                |
| Purity(GC)                             | 99-100 (%)            | 99.35 %               |
| Appearance (S108349)                   | white powder or solid | white powder or solid |
| Insoluble matter                       | pass                  | Pass                  |
| Solubility(0.1m in water)              | Clear colorless       | Clear Colorless       |
| Infrared spectrum                      | Conforms to Structure | Conforms to Structure |



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager