

## Certificate of Analysis

Date of Testing: 2024-11-29 11:14:56  
Date of Next Testing: 2027-11-29 11:14:56  
Product Name: **N-Octyl- $\beta$ -D-glucopyranoside**  
CAS Number: 29836-26-8  
Specifications & Purity:  $\geq 97\%$   
Lot #: K2425372  
SKU #: **O105509**  
Version: **0**  
Analysis #: **441886**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

| Parameter                             | Limit Values              | Result                    |
|---------------------------------------|---------------------------|---------------------------|
| Conductance                           | 0-500 ( $\mu\text{s}$ )   | 200.00 $\mu\text{s}$      |
| Aggregation Number (H <sub>2</sub> O) | 27-100                    | 65.20                     |
| Absorbance 260nm                      | 0-0.1                     | 0.08                      |
| Octanol(HPLC)                         | 0-0.05 (%)                | 0.03 %                    |
| Purity(HPLC)                          | 97-100 (%)                | 99.80500 %                |
| CMC (H <sub>2</sub> O)                | 18-20 (mm)                | 20.00 mm                  |
| Absorbance 340 nm                     | 0-0.05                    | 0.03                      |
| PH                                    | 4-9                       | 7.80                      |
| Absorbance 280 nm                     | 0-0.1                     | 0.09                      |
| Absorbance 225 nm                     | 0-0.2                     | 0.15                      |
| alpha (HPLC)                          | 0-5 (%)                   | 3.60 %                    |
| Appearance (O105509)                  | White to Off-White Powder | White to Off-White Powder |
| CMC (0.1 M NaCl)                      | 23.4 mM                   | 23.4 mM                   |
| dn/dc (H <sub>2</sub> O)              | 0.1159 mL/g               | 0.1159 mL/g               |
| 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