

## Certificate of Analysis

Date of Testing: 2024-07-29 09:37:01  
Date of Next Testing: 2028-07-28 09:37:01  
Product Name: **Sucrose**  
CAS Number: 57-50-1  
Specifications & Purity: for cell and insect cell culture,  $\geq 99.5\%$   
Lot #: G2425066  
SKU #: **S112236**  
Version: **3**  
Analysis #: **362437**

| Parameter  | Limit Values            | Result                  |
|--|-------------------------|-------------------------|
| Heavy metal (as Pb)  | 0-0.0005 (%)            | 0.00%                   |
| UV Absorbance 260nm  | 0-0.15                  | 0.05                    |
| UV Absorbance 280nm  | 0-0.15                  | 0.04                    |
| Purity(HPLC)   | 99.5-100 (%)            | 99.58100%               |
| Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$   | 66.3-67 ( $^{\circ}$ )  | 66.31 $^{\circ}$        |
| Appearance (S112236)   | White powder to crystal | White powder to crystal |
| Cell Culture Test  | pass                    | Pass                    |
| Infrared spectrum  | Conforms to Structure   | Conforms to Structure   |
| Insect cell culture test   | pass                    | Pass                    |
| Solubility in H <sub>2</sub> O, soluble 50 mg/mL, clear, colorless | pass                    | Pass                    |



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