

## Certificate of Analysis

Date of Testing: 2024-10-08 16:23:43

Date of Next Testing: 2028-10-07 16:23:43

Product Name: **1,6-Anhydro- $\beta$ -D-glucose**

CAS Number: 498-07-7

Specifications & Purity:  $\geq 99\%$

Lot #: L2015248

SKU #: **A107486**

Version: **0**

Analysis #: **416119**

Storage Temperature: Store at 2-8°C

| Parameter                                                       | Limit Values             | Result                   |
|-----------------------------------------------------------------|--------------------------|--------------------------|
| Melting point                                                   | 177-184 (°C)             | 177.67600 °C             |
| Purity(HPLC)                                                    | 99-100 (%)               | 99.49000 %               |
| Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$ | -68--65 (°)              | -65.78°                  |
| Appearance (A107486)                                            | White Powder or Crystals | White Powder or Crystals |
| Clear colorless solution(50mg/ml,water)                         | pass                     | Pass                     |
| Infrared spectrum                                               | Conforms to Structure    | Conforms to Structure    |
| Proton NMR spectrum                                             | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager