

Shanghai Aladdin Biochemical Technology Co., LTD  
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## Certificate of Analysis

Date of Testing: 2025-08-02 09:09:04  
Date of Next Testing: 2029-08-01 09:09:04  
Product Name: **D-(+)-Galactose**  
CAS Number: 59-23-4  
Specifications & Purity:  $\geq 98\%$   
Lot #: G2529296  
SKU #: **G100366**  
Version: **0**  
Analysis #: **550399**  
Storage Temperature: Argon charged

| Parameter                                                        | Limit Values          | Result                |
|------------------------------------------------------------------|-----------------------|-----------------------|
| Purity(HPLC)                                                     | 98-100 (%)            | 99.26200 %            |
| Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$ | 79-81 (°)             | 79.49100 °            |
| Appearance (G100366)                                             | white powder          | White powder          |
| Infrared spectrum                                                | Conforms to Structure | Conforms to Structure |
| Solubility,Clear , Colorless , c = 100 mg/ml; H <sub>2</sub> O   | pass                  | Pass                  |

