

## Certificate of Analysis

Date of Testing: 2023-12-26 17:14:28

Date of Next Testing: 2027-12-25 17:14:28

Product Name: **D-(+)-Glucose**

CAS Number: 50-99-7

Specifications & Purity: reagent grade

Lot #: L2326130

SKU #: **G116300**

**Analysis:** **309095**

Storage Temperature: Argon charged

| Parameter   | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Heavy metal (as Pb)   | 0-0.0005 (%)          | 0.00 %                |
| Chloride (Cl-)  | 0-0.002 (%)           | 0.00 %                |
| Loss on drying  | 0-2 (%)               | 0.07 %                |
| Iron(Fe)  | 0-0.0005 (%)          | 0.00 %                |
| Calcium(Ca)   | 0-0.002 (%)           | 0.00 %                |
| Sulfate(SO42-)  | 0-0.004 (%)           | 0.00 %                |
| Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O:NH <sub>3</sub> (2+3) = 99.2:0.8) | 50-54 (°)             | 51.65 °               |
| Ignition Residue (as sulfate)   | 0-0.05 (%)            | 0.05 %                |
| Appearance (G116300)  | White powder          | White powder          |
| Acidity   | pass                  | Pass %                |
| Dextrin   | Pass                  | Pass                  |
| Infrared spectrum   | Conforms to Structure | Conforms to Structure |



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