

## Certificate of Analysis

Date of Testing: 2025-04-10 09:10:56

Date of Next Testing: 2029-04-09 09:10:56

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

CAS Number: 50-99-7

Specifications & Purity: AR

Lot #: D2502258

SKU #: **G116300**

Version: **2**

Analysis #: **482254**

Storage Temperature: Argon charged

| Parameter                                                                                   | Limit Values          | Result                |
|---------------------------------------------------------------------------------------------|-----------------------|-----------------------|
| Ignition Residue (as sulfate)                                                               | 0-0.05 (%)            | 0.00 %                |
| Heavy metal (as Pb)                                                                         | 0-0.0005 (%)          | 0.00 %                |
| Chloride (Cl-)                                                                              | 0-0.002 (%)           | 0.00 %                |
| Loss on drying                                                                              | 0-2 (%)               | 0.09 %                |
| Iron(Fe)                                                                                    | 0-0.002 (%)           | 0.00 %                |
| Calcium(Ca)                                                                                 | 0-0.002 (%)           | 0.00 %                |
| Sulfate(SO42-)                                                                              | 0-0.004 (%)           | 0.00 %                |
| Specific Rotation $[\alpha]_{20/D(c=10 \text{ in H}_2\text{O}:\text{NH}_3(2+3) = 99.2:0.8)$ | 50-54 (°)             | 50.03°                |
| Acidity                                                                                     | 0-0.006 (mmol/g)      | 0.01 mmol/g           |
| Appearance (G116300)                                                                        | White powder          | White powder          |
| Dextrin                                                                                     | Pass                  | Pass                  |
| Infrared spectrum                                                                           | Conforms to Structure | Conforms to Structure |



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