

Certificate of Analysis

Date of Testing: 2023-05-30 14:32:59
 Date of Next Testing: 2027-05-29 14:32:59
 Product Name: **D-(+)-Glucose**
 CAS Number: 50-99-7
 Specifications & Purity: Ultra pure, ≥99.5%
 Lot #: E2324586
 SKU #: **G116306**
Analysis: **213600**
 Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---|-------------------------|-------------------------|
| Strontium(Sr) | 0-0.0005 (%) | 0.00 % |
| (Pb)Lead | 0-0.0005 (%) | 0.00 % |
| Chloride Content | 0-0.005 (%) | 0.00 % |
| Loss on drying | 0-0.1 (%) | 0.02 % |
| Bismuth(Bi) | 0-0.0005 (%) | 0.00 % |
| Aluminum(Al) | 0-0.0005 (%) | 0.00 % |
| Barium(Ba) | 0-0.0005 (%) | 0.00 % |
| Purity(HPLC) | 99.5-100 (%) | 99.89400 % |
| Sulfate(SO42-) | 0-0.005 (%) | 0.00 % |
| Cobalt(Co) | 0-0.0005 (%) | 0.00 % |
| (As)Arsenic | 0-0.0001 (%) | 0.00 % |
| Cadmium(Cd) | 0-0.0005 (%) | 0.00 % |
| Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O:NH ₃ (2+3) = 99.2:0.8) | 50-54 (°) | 53.98 ° |
| Ignition Residue (as sulfate) | 0-0.1 (%) | 0.00 % |
| Appearance (G116306) | white powder | White powder |
| Filtration test | corresponds to standard | corresponds to standard |
| Insoluble matter | pass | Pass |
| Solubility 1 M in H ₂ O | Colorless, Clear | Colorless, Clear |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager