

Certificate of Analysis

Date of Testing: 2022-11-30 20:15:18
Date of Next Testing: 2026-11-29 20:15:18
Product Name: **D-(+)-Maltose monohydrate**
CAS Number: 6363-53-7
Specifications & Purity: Analytical Reagent,97.0%
Lot #: K2229746
SKU #: **M104815**
Analysis: 161595
Storage Temperature: Desiccated

| Parameter | Limit Values | Result |
|---|---------------------------------|---------------------------------|
| (As)Arsenic | 0-0.0001 (%) | 0.00 % |
| Sulfate Ash | 0-0.1 (%) | 0.02 % |
| Purity(HPLC) | 97-100 (%) | 98.20000 % |
| Glucose (TLC) | 0-1 (%) | 0.39 % |
| Heavy metal (as Pb) | 0-0.001 (%) | 0.00 % |
| Water by Karl Fischer | 4.8-5.8 (%) | 4.90 % |
| Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})(\text{after drying})$ | 126-132 (°) | 129.20 ° |
| Appearance (M104815) | white crystal or crystal powder | white crystal or crystal powder |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager