

Certificate of Analysis

Product Name :

D-(+)-Maltose monohydrate ≥98% (HPLC), BioReagent, suitable for cell culture, suitable for insect cell culture

Product Number :**M5895-500G****Batch Number :****0000405477**

Source Batch :

0000333290

CAS Number :

6363-53-7

MDL Number :

MFCD00149343

Molecular Formula :

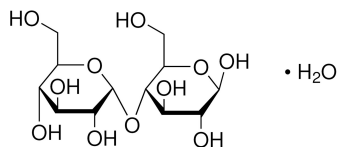
C₁₂H₂₂O₁₁ · H₂O

Formula Weight :

360.31 g/mol

Quality Release Date :

13 May 2024



| Test | Specification | Result |
|--|-----------------------|-----------|
| Appearance (Color) | White | White |
| Appearance (Form) | Powder | Powder |
| Solubility (Color) | Colorless | Colorless |
| Solubility (Turbidity) | Clear | Clear |
| 50 mg/mL, H ₂ O | | |
| Water (by Karl Fischer) | 4.5 - 6.5 % | 5.0 % |
| Infrared Spectrum | Conforms to Structure | Conforms |
| Specific Rotation | 128.0 - 132.0 ° | 130.5 ° |
| c = 4 in H ₂ O + 1 drop of NH ₄ OH at 20 deg C | | |
| Purity (HPLC) | ≥ 98 % | 99 % |
| Impurity | ≤ 0.3 % | 0.0 % |
| Glucose | | |
| Impurity | ≤ 1.0 % | 0.5 % |
| Maltotriose | | |
| Cell Culture Test | Pass | Pass |
| Insect Cell Test | Pass | Pass |

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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Product M5895-500G
Batch 0000405477



Jagodige Yasomanee, Supervisor

Quality Assurance

St. Louis, Dekalb

US

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