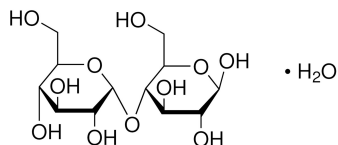


## Product Specification

**Product Name :** D-(+)-Maltose monohydrate from potato, ≥99% (HPLC)  
**Product Number:** M5885  
**CAS Number:** 6363-53-7  
**MDL Number :** MFCD00149343  
**Molecular Formula:** C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> · H<sub>2</sub>O  
**Formula Weight:** 360.31 g/mol



| Test                                                 | Specification         |
|------------------------------------------------------|-----------------------|
| Appearance (Color)                                   | White                 |
| Appearance (Form)                                    | Powder                |
| Solubility (Color)                                   | Colorless             |
| Solubility (Turbidity)<br>50 mg/mL, H <sub>2</sub> O | Clear                 |
| Infrared Spectrum                                    | Conforms to Structure |
| Water (by Karl Fischer)                              | 4.5 - 6.5 %           |
| Purity (HPLC)                                        | ≥ 99%                 |
| Impurity<br>Glucose                                  | ≤ 0.3%                |
| Impurity<br>Maltotriose                              | ≤ 1.0%                |
| Recommended Retest Period<br>6 years                 | -----                 |

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](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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