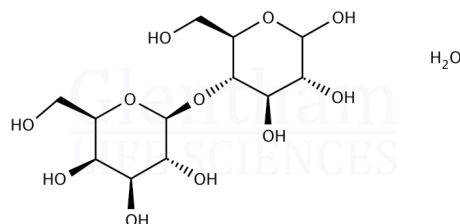


## Certificate of Analysis

|                 |                          |
|-----------------|--------------------------|
| Product Name    | D(+)-Lactose monohydrate |
| Glentham Code   | GK8620                   |
| CAS Number      | 64044-51-5               |
| EINECS          | 200-559-2                |
| MDL-Nummer      | MFCD00166994             |
| Zusätzliche CAS | 10039-26-6               |
| Zusätzliche CAS | 14641-93-1               |
| Zusätzliche CAS | 5989-81-1                |
| PubChem SID     | 310275680                |
| Zusätzliche CAS | 63-42-3 (anhydrous)      |
| Batch Number    | 396YCZ                   |

|                   |                                 |
|-------------------|---------------------------------|
| Molecular Weight  | 360.32                          |
| Molecular Formula | $C_{12}H_{22}O_{11} \cdot H_2O$ |
| Storage Temp.     | +20°C                           |



| Property                  | Specification                                                                | Batch 396YCZ              |
|---------------------------|------------------------------------------------------------------------------|---------------------------|
| Physical Description      | White to almost white powder                                                 | Entspricht                |
| Solubility (10% in water) | Clear, colourless solution                                                   | Clear, colorless solution |
| pH (10% in water)         | 4.5 - 7.0                                                                    | 5.0                       |
| Residue on Ignition       | ≤ 0.5%                                                                       | 0.2%                      |
| Free Water                | ≤ 0.5%                                                                       | 0.3%                      |
| Purity                    | ≥ 99.0% (C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> · H <sub>2</sub> O) | 99.3%                     |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.1       |
| Manufacture Date      | 2023-10-25 |
| Re-Test Date          | 2031-12-06 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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