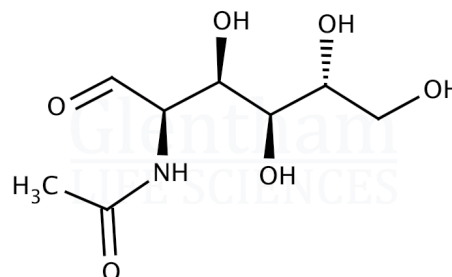


## Certificate of Analysis

|                   |                                   |
|-------------------|-----------------------------------|
| Product Name      | N-Acetyl-D-glucosamine, USP grade |
| Glentham Code     | GC4097                            |
| CAS Number        | 7512-17-6                         |
| EINECS            | 231-368-2                         |
| MDL-Nummer        | MFCD00061615                      |
| Batch Number      | 481GPF                            |
| Molecular Weight  | 221.21                            |
| Molecular Formula | $C_8H_{15}NO_6$                   |
| Storage Temp.     | -20°C                             |



| Property                                        | Specification                            | Batch 481GPF     |
|-------------------------------------------------|------------------------------------------|------------------|
| Physical Description                            | White to almost white crystalline powder | White powder     |
| Identification (IR)                             | To conform to standard                   | Entspricht       |
| Specific Optical Rotation ( $[\alpha]_{20/D}$ ) | +39.0 - +43.0 °                          | +41.2°           |
| Melting Point                                   | 196.0 - 205.0 °C                         | 202.3 - 203.4 °C |
| Residue on Ignition                             | ≤ 0.1%                                   | 0.04%            |
| Chloride (Cl)                                   | ≤ 0.1%                                   | 0.06%            |
| Iron (Fe)                                       | ≤ 10ppm                                  | Entspricht       |
| Loss on Drying                                  | ≤ 0.5%                                   | 0.15%            |
| Assay                                           | 98.0 - 102.0 %                           | 99.2%            |
| Pharmacopoeia Specification(s)                  | USP                                      | Entspricht       |
| Specification Version                           | v1.0                                     |                  |
| Manufacture Date                                | 2021-05-25                               |                  |
| Re-Test Date                                    | 2028-05-06                               |                  |

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025