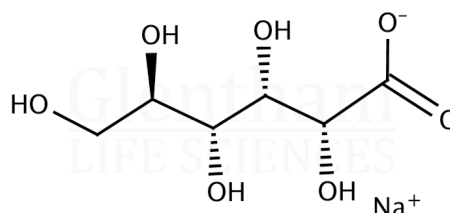


## Certificate of Analysis

|                   |                             |
|-------------------|-----------------------------|
| Product Name      | Sodium gluconate, USP grade |
| Glentham Code     | GX3248                      |
| CAS Number        | 527-07-1                    |
| EINECS            | 208-407-7                   |
| MDL Number        | MFCD00064210                |
| Batch Number      | 018YDV                      |
| Molecular Weight  | 218.13                      |
| Molecular Formula | $C_6H_{11}NaO_7$            |
| Storage Temp.     | +20°C                       |



| Property                       | Specification                            | Batch 018YDV             |
|--------------------------------|------------------------------------------|--------------------------|
| Physical Description           | White or almost white crystalline powder | White crystalline powder |
| Identification                 | A: Test for sodium                       | Conforms                 |
|                                | B: To pass TLC test                      | Conforms                 |
| Chloride (Cl)                  | ≤ 0.07%                                  | ≤ 0.01%                  |
| Sulphate (SO4)                 | ≤ 0.05%                                  | ≤ 0.01%                  |
| Lead (Pb)                      | ≤ 10ppm                                  | ≤ 1ppm                   |
| Heavy Metals                   | ≤ 20ppm                                  | ≤ 5ppm                   |
| Reducing Substances            | ≤ 0.5%                                   | 0.1%                     |
| Assay                          | 98.0 - 102.0 %                           | 99.5%                    |
| Pharmacopoeia Specification(s) | USP                                      | Conforms                 |
| Specification Version          | v1.0                                     |                          |
| Manufacture Date               | 2016-10-17                               |                          |
| Re-Test Date                   | 2030-12-19                               |                          |

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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