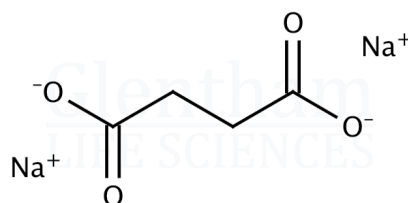


## Product Specification

|                   |                                                   |
|-------------------|---------------------------------------------------|
| Product Name      | Succinic acid disodium salt, anhydrous, USP grade |
| Glentham Code     | GK2019                                            |
| CAS Number        | 150-90-3                                          |
| EINECS            | 205-778-7                                         |
| MDL-Nummer        | MFCD00002789                                      |
| Molecular Weight  | 162.05                                            |
| Molecular Formula | $C_4H_4Na_2O_4$                                   |
| Storage Temp.     | +20°C                                             |



| Property                       | Specification                    |
|--------------------------------|----------------------------------|
| Physical Description           | White crystalline powder         |
| Identification (IR)            | To conform to standard           |
| Identification (HPLC)          | To conform to standard           |
| Identification                 | To pass test for sodium          |
| pH (5% in water)               | 7.0 - 9.0                        |
| Sodium Acetate                 | ≤ 0.2%                           |
| Sodium Maleate                 | ≤ 0.1%                           |
| Sodium Fumarate                | ≤ 0.1%                           |
| Sulphate (SO4)                 | ≤ 0.019%                         |
| Loss on Drying                 | ≤ 2.0% (120°C, 2h)               |
| Assay                          | 98.0 - 102.0 % (dried substance) |
| Pharmacopoeia Specification(s) | USP                              |

|                       |   |            |
|-----------------------|---|------------|
| Specification Version | - | v1.0       |
| Date Created          | - | 2017-06-22 |

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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