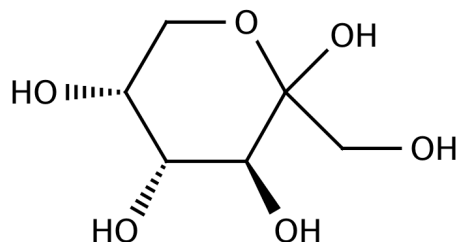


## Product Specification

|               |                |
|---------------|----------------|
| Product Name  | D-(-)-Fructose |
| Glentham Code | GC9966         |
| CAS Number    | 57-48-7        |
| EINECS        | 200-333-3      |
| MDL-Nummer    | MFCD00148910   |
| PubChem SID   | 310273936      |

|                   |                |
|-------------------|----------------|
| Molecular Weight  | 180.16         |
| Molecular Formula | $C_6H_{12}O_6$ |
| Storage Temp.     | +20°C          |



| Property                       | Specification            |
|--------------------------------|--------------------------|
| Physical Description           | White crystalline powder |
| Assay (HPLC)                   | ≥ 99.0%                  |
| Loss on Drying                 | ≤ 0.2%                   |
| Arsenic (As)                   | ≤ 0.5ppm                 |
| Cadmium (Cd)                   | ≤ 0.2ppm                 |
| Iron (Fe)                      | ≤ 5ppm                   |
| Lead (Pb)                      | ≤ 0.1ppm                 |
| Mercury (Hg)                   | ≤ 0.1ppm                 |
| Residue on Ignition            | ≤ 0.1%                   |
| Calcium and Magnesium (as Ca)  | ≤ 50ppm                  |
| Chloride                       | ≤ 180ppm                 |
| Sulphates                      | ≤ 200ppm                 |
| Specific Optical Rotation      | -93.0 - -91.0 °          |
| Appearance of Solution         | Meets specification      |
| Barium (Ba)                    | Meets specification      |
| Foreign Sugars                 | ≤ 0.5%                   |
| Pharmacopoeia Specification(s) | USP, EP, FCC             |

|                       |   |            |
|-----------------------|---|------------|
| Specification Version | - | v1.1       |
| Date Created          | - | 2023-04-04 |

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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