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## **Product Specification**

**Product Name** myo-Inositol, USP-NF grade Glentham Code GC7160 **CAS Number** 87-89-8 **EINECS** 201-781-2 MDL Number MFCD00077932 Molecular Weight 180.16 Molecular Formula  ${\rm C_6H_{12}O_6}$ Storage Temp. +20°C

| Property                       | Specification                         |
|--------------------------------|---------------------------------------|
| Physical Description           | White to off-white crystalline powder |
| Identification (IR)            | To conform to standard                |
| Identification                 | Test B: To pass test                  |
| Clarity of Solution            | To pass test                          |
| Colour of Solution             | To pass test                          |
| Conductivity                   | ≤ 20.0µS/cm                           |
| Melting Point                  | 224.0 - 227.0 °C                      |
| Individual Impurities          | ≤ 0.3%                                |
| Total Impurities               | ≤ 1.0%                                |
| Barium (Ba)                    | To pass test                          |
| Lead (Pb)                      | ≤ 0.5ppm                              |
| Residue on Ignition            | ≤ 0.1%                                |
| Water                          | ≤ 0.5%                                |
| Assay                          | 97.0 - 102.0 % (anhydrous basis)      |
| Pharmacopoeia Specification(s) | USP-NF                                |

Specification Version - v1.2

Date Created - 2024-11-13

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 or contact us using the details above for the current version of this document.

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