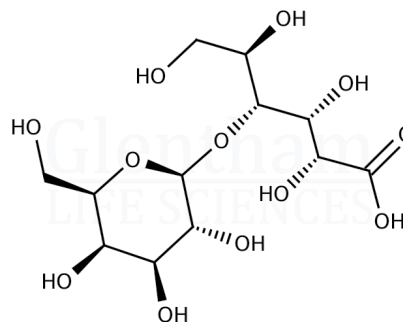


Product Specification

| | |
|---------------|----------------------------|
| Product Name | Lactobionic acid, EP grade |
| Glentham Code | GC0324 |
| CAS Number | 96-82-2 |
| EINECS | 202-538-3 |

| | |
|-------------------|----------------------|
| Molecular Weight | 358.30 |
| Molecular Formula | $C_{12}H_{22}O_{12}$ |
| Storage Temp. | +20°C |



| Property | Specification |
|--------------------------------|--|
| Physical Description | White to almost white crystalline powder |
| Identification | According to EP |
| Solubility (3g in 25ml water) | Clear, colourless solution |
| Specific Optical Rotation | +23.0 - +29.0 ° (dried basis) |
| Reducing Sugars | ≤ 0.2% |
| Heavy Metals | ≤ 10ppm |
| Calcium (Ca) | ≤ 500ppm |
| Chloride (Cl) | ≤ 500ppm |
| Iron (Fe) | ≤ 100ppm |
| Ash | ≤ 0.1% |
| Water | ≤ 5.0% |
| Assay | 98.0 - 102.0 % (dried basis) |
| Pharmacopoeia Specification(s) | EP |

| | | |
|-----------------------|---|------------|
| Specification Version | - | v1.1 |
| Date Created | - | 2013-11-26 |

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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