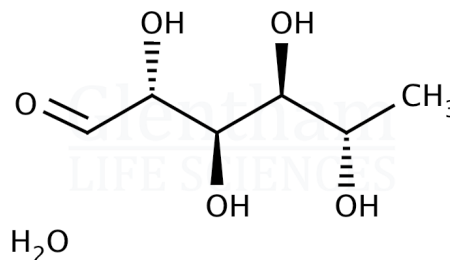


## Certificate of Analysis

|                    |                        |
|--------------------|------------------------|
| Product Name       | L-Rhamnose monohydrate |
| Glentham Code      | GC1712                 |
| CAS Number         | 10030-85-0             |
| EINECS             | 222-793-4              |
| Numéro MDL         | MFCD00071591           |
| CAS supplémentaire | 3615-41-6              |
| CAS supplémentaire | 6155-35-7              |
| PubChem SID        | 310279683              |
| Batch Number       | 279HRV                 |

|                   |                           |
|-------------------|---------------------------|
| Molecular Weight  | 182.19                    |
| Molecular Formula | $C_6H_{12}O_5 \cdot H_2O$ |
| Storage Temp.     | +20°C                     |



| Property                  | Specification                         | Batch 279HRV             |
|---------------------------|---------------------------------------|--------------------------|
| Physical Description      | White to off-white crystalline powder | White crystalline powder |
| Specific Optical Rotation | +7.5 - +9.5 °                         | 8.8°                     |
| Melting Point             | 90 - 94 °C                            | 93.2°C                   |
| Sulphated Ash             | ≤ 0.1%                                | 0.07%                    |
| Heavy Metals              | ≤ 10ppm                               | ≤ 10ppm                  |
| Loss on Drying            | ≤ 10.0%                               | 9.93%                    |
| Total Plate Count         | ≤ 1000CFU/g                           | ≤ 1000CFU/g              |
| Yeast & Mould             | ≤ 100CFU/g                            | ≤ 100CFU/g               |
| Assay (HPLC)              | ≥ 98.0%                               | 99.0%                    |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.1       |
| Manufacture Date      | 2023-04-11 |
| Re-Test Date          | 2030-05-15 |

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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