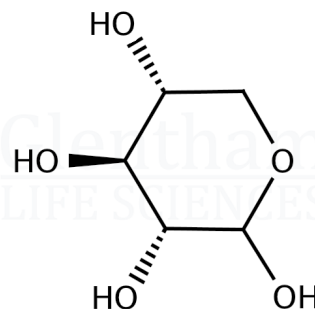


Product Specification

| | |
|-------------------|-------------------------|
| Product Name | D-(+)-Xylose, USP grade |
| Glenthams Code | GC4822 |
| CAS Number | 58-86-6 |
| EINECS | 200-400-7 |
| MDL Number | MFCD00064360 |
| Molecular Weight | 150.13 |
| Molecular Formula | $C_5H_{10}O_5$ |
| Storage Temp. | +20°C |



| Property | Specification |
|--------------------------------|---|
| Physical Description | White crystalline powder |
| Identification (TLC) | To pass test |
| Identification (GC) | To pass test |
| Solubility (10% in water) | Clear, colourless solution |
| Specific Optical Rotation | +18.2 - +19.4 ° (c=10, 0.012N NH ₄ OH) |
| Loss on Drying | ≤ 0.1% |
| Residue on Ignition | ≤ 0.05% |
| Iron (Fe) | ≤ 5ppm |
| Organic Impurities | To pass test |
| Chromatographic Purity | To pass test |
| Assay | 98.0 - 102.0 % (dried basis) |
| Pharmacopoeia Specification(s) | USP |

| | | |
|-----------------------|---|------------|
| Specification Version | - | v1.0 |
| Date Created | - | 2023-03-22 |

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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