

XYLAN (Beechwood)

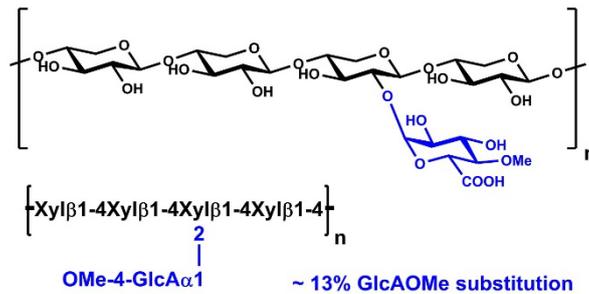
08/23

P-XYLNBG-10G

CAS: 9014-63-5

Source: Beechwood

STRUCTURE:



Schematic representation of xylan (4-*O*-methyl glucuronoxylan).

Refer to the product lot number Certificate of Analysis for lot specific properties.

PROPERTIES:

Physical Description: Off-white, odourless powder

STORAGE CONDITIONS:

Store dry at room temperature in a well-sealed container. Under these conditions, the product is stable for several years.

APPLICATIONS:

Highly purified xylan from beechwood suitable as a replacement for birchwood xylan as a substrate for β -xylanase in DNSA and Nelson-Somogyi reducing sugar assays.

METHOD OF DISSOLUTION (for 1.0% w/v solution)

Accurately weigh 1.0 g of xylan into a 120 mL dry pyrex beaker. Add 4 mL of 95% ethanol to wet the sample. Add a magnetic stirrer bar followed by 90 mL of distilled water while stirring the slurry on a hot-plate magnetic stirrer. Adjust the heat setting to 120°C and stir vigorously. Cover the beaker loosely with aluminium foil and continue stirring vigorously. Turn the heat off when the solution begins to boil, but continue stirring the solution until the xylan completely dissolves (approx. 10 min). Adjust the volume of the solution to 100 mL (this solution may be very slightly opalescent due to the presence of trace amounts of protein).

Xylan solutions can be stored at room temperature for several weeks in a well-sealed storage bottle.