

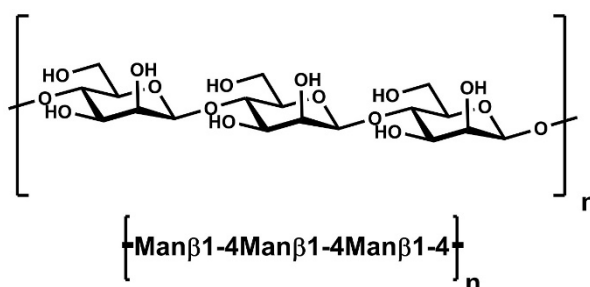
MANNAN (1,4-β-D-Mannan)

08/23

P-MANCB

CAS: 9036-88-8
Source: Carob seed

STRUCTURE:



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

PROPERTIES:

Physical Description: Odourless, white powder

STORAGE CONDITIONS:

This mannan is prepared by hydrolysis of carob galactomannan with pure *Cellvibrio japonicus* β-mannanase (with heat inactivation), followed by treatment with guar-seed α-galactosidase to remove essentially all of the α-linked D-galactosyl residues. The mannan which forms precipitates from solution and is recovered by centrifugation and washed with cold water.

This mannan is a useful substrate for the measurement of 1,4-β-D-mannanase assay using a reducing sugar method.

SOLUBILITY:

Insoluble in water. Can be dissolved at 20 mg/mL in 5% w/v sodium hydroxide.

On neutralisation with 50% acetic acid, the mannan precipitates from solution as a very fine colloidal suspension. The suspension should be mixed gently by swirling the container by hand before removing aliquots for use in enzyme assays.