

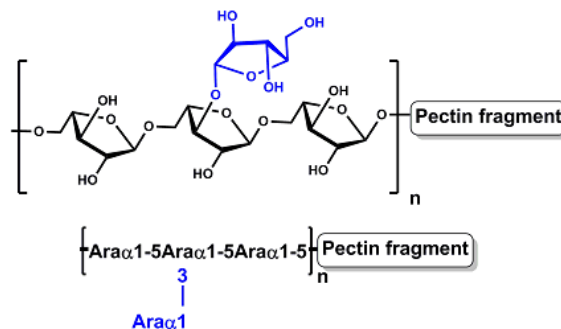
ARABINAN (Sugar Beet)

08/23

P-ARAB

CAS: 11078-27-6
Source: Sugar-beet pulp

STRUCTURE:



Schematic representation of Arabinan.

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

PREPARATION:

Arabinan is extracted from sugar-beet pulp with calcium hydroxide solution at 90°C. The recovered arabinan is subsequently purified by precipitation and treatment with ion-exchange resins. Sugar beet arabinan consists of a 1,5- α -linked backbone to which 1,3- α -linked (and possibly some 1,2- α -linked) L-arabinofuranosyl residues are attached. Approximately 60% of the main-chain arabinofuranosyl residues are substituted by single 1,3-linked arabinofuranosyl groups. The reducing terminal arabinosyl residue is attached through rhamnose to fragments of the rhamnogalacturonan backbone of the native pectin molecule.

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.

METHOD OF DISSOLUTION:

Arabinan is readily soluble in cold water. Arabinan concentrations of up to 20% w/v can be achieved in hot water.