



## XANTHAN GUM (Lot 170301)

**CAT. NO:** P-XANTH  
**CAS:** 11138-66-2

03/17

### DESCRIPTION

Xanthan gum is an anionic polysaccharide composed of a  $\beta$ -(1,4)-D-glucopyranose glucan backbone with side chains of (1,3)- $\alpha$ -D-mannopyranose-(2,1)- $\beta$ -D-glucuronic acid-(4,1)- $\beta$ -D-mannopyranose on alternating residues. Approximately half of the terminal mannose residues are 4,6-pyruvated while most of the inner mannose residues are 6-acetylated.

### 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

For use in the screening of *endo*-hydrolase enzymatic activities using insoluble dyed polysaccharides.

### METHOD OF DISSOLUTION

Prepare as described in the “**P-XANTH application note**” available in the documents section.