POLYGALACTURONIC ACID (Na salt)  (Lot 30402d)

P-PGACT  04/17
CAS:  9049-37-0

PREPARATION:
Polygalacturonic acid is prepared from citrus pectin by partial depolymerisation with polygalacturonanase followed by demethylation, neutralisation, filtration and recovery. Typically, the polysaccharide is > 85 % pure, the additional weight being sodium. Uronic acid content is ~ 96 % w/w of the polysaccharide.

DISOLUTION:
Add 1 g of polygalacturonic acid (Na salt) to 95 ml of vigorously stirring distilled water at about 40°C, and stir until the polysaccharide completely dissolves (about 10 min). Cool the solution to room temperature, and adjust the volume to 100 ml. Store this solution in a well-sealed glass container. Prevent microbial contamination by adding a few drops of toluene to the container. Store at 4°C.

Sugar Composition (Lot Number 30402d).
Galacturonic acid  96
Galactose  1.0
Arabinose  0.2
Rhamnose  1.2
Xylose  1.0
Glucose  0.3