

## HEPTASACCHARIDE (Lot 210207)

O-X3G4

03/22

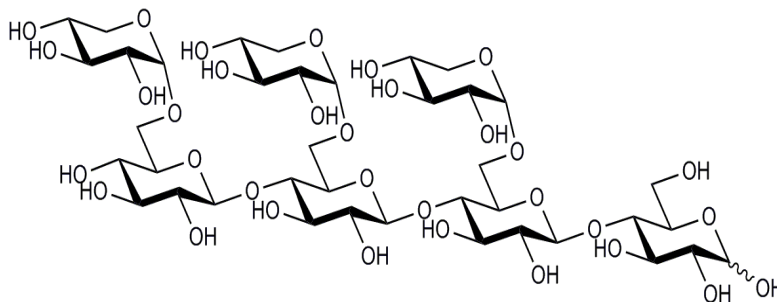
CAS: 121591-98-8

Molecular Formula:  $C_{39}H_{66}O_{33}$

Formula:

MW: 1062.92

PURITY: > 90%



**PREPARATION:** Prepared by controlled enzymic hydrolysis of xyloglucan.

### HPLC:

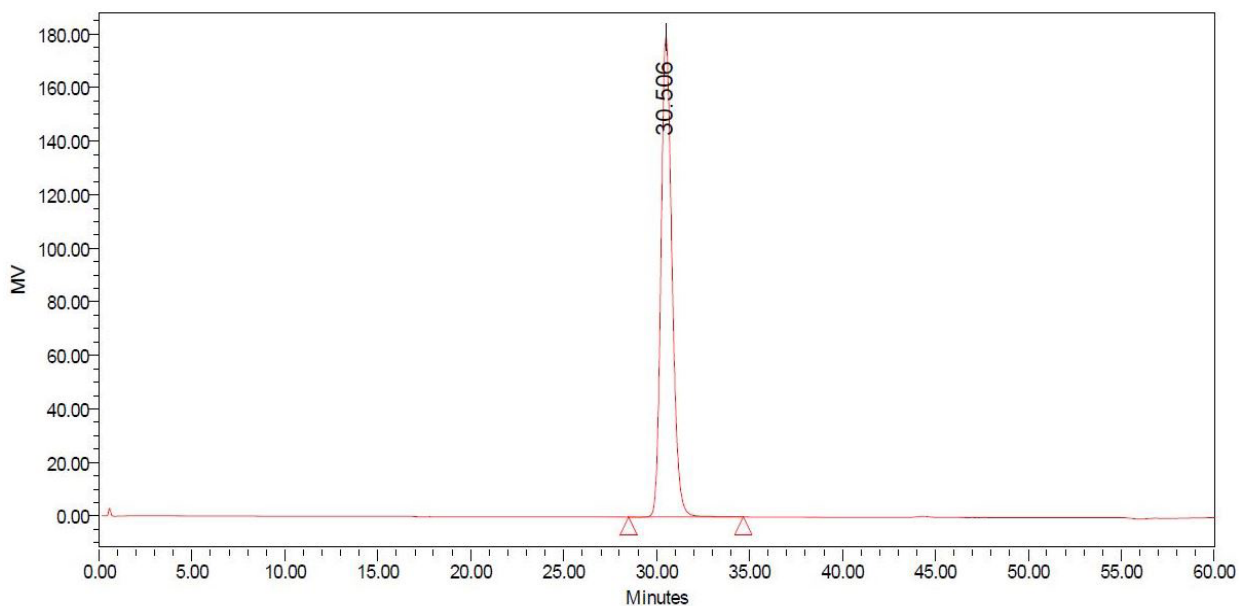
Column: 2 x Tosoh TSK-GEL G2500 PWXL (7.8 x 300 mm) plus guard column (7.8 x 35mm)

Temperature: 80°C

Mobile phase:  $dH_2O$

Flow rate: 0.5 mL/min

HPLC system: Waters Alliance e2695 Separations Module, Waters 2414 RI detector and Empower v3 software.



**HPAEC-PAD:**

Column: CarboPac PA200 guard and analytical columns (3 x 250 mm)

Temperature: 30°C

Detector: Au electrode; waveform Carbohydrate, standard quad

Flow rate: 0.5 mL/min

IC system: Dionex ICS5000+ DP system and Chromeleon 7 software

A stepwise linear gradient method was employed as shown.

Time (min)	100 mM NaOH (%)	120 mM NaOAc (%) in 100 mM NaOH
0	100	0
2	100	0
14	75	25
15	50	50
25	30	70
26	0	100
37	0	100
38	100	0
45	100	0

