



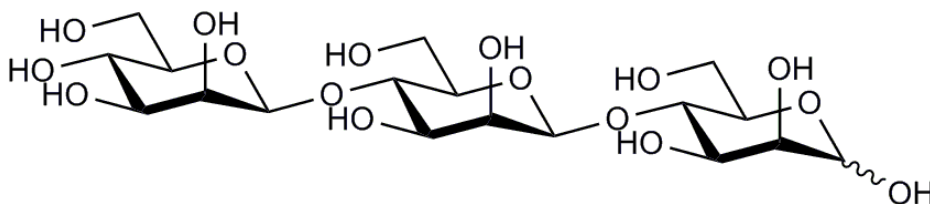
MANNOTRIOSE (Lot 180503)

O-MTR

10/18

MW: 504.44

CAS: 28173-52-6



PREPARATION:

Prepared by controlled enzymic hydrolysis of mannan.

PURITY: > 95%
(HPLC)

HPLC:

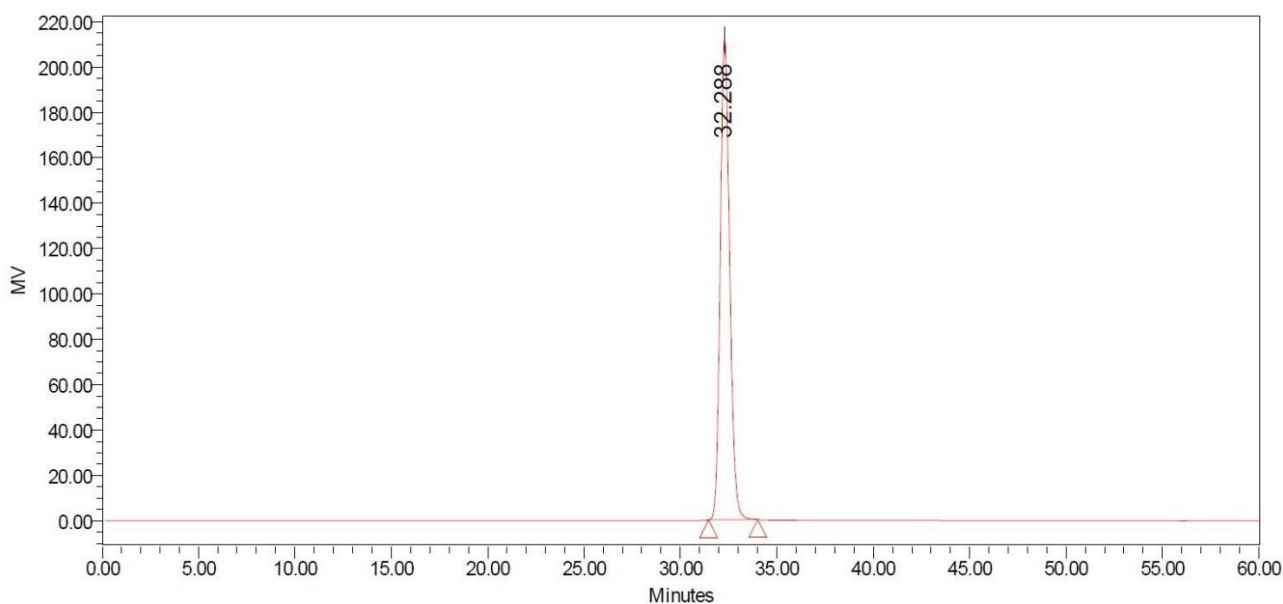
Column: 2 x Tosoh TSK-GEL G2500 PWXL (7.8 x 300 mm) plus guard column (7.8 x 35mm)

Temperature: 80°C

Mobile phase: dH₂O

Flow rate: 0.5 mL/min

HPLC System: Waters Alliance e2695 Separations Module, Waters 2414 RI detector and Empower v 3 software



Peak Name:

	Injection	RT	Area	% Area	Height
1	1	32.288	7216479	100.00	211767

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 100mM NaOH
0	100	0
2	100	0
14	85	15
14.5	0	100

