

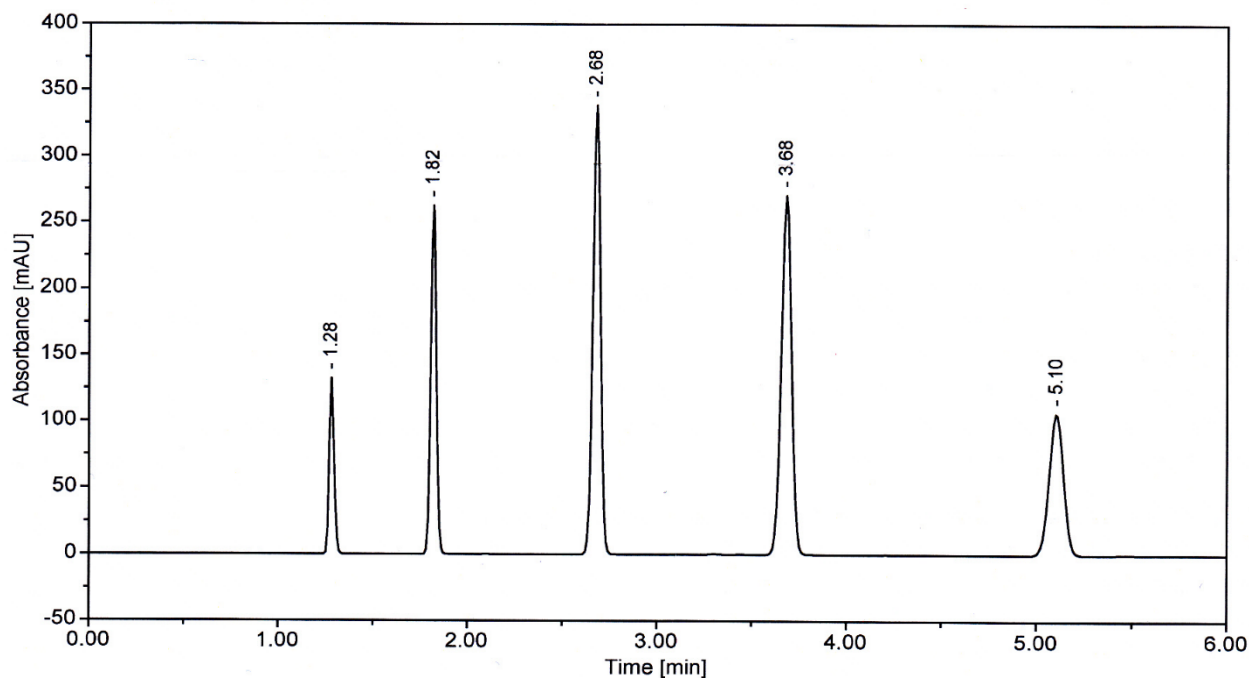
Certificate of Analysis**LudgerSep™ R1 HPLC Column for Glycan Analysis**

Cat. #: LS-R1-4.6x150

Batch: B9A1-07

Size: 4.6 x 150 mm

This column conforms to the specifications given in Ludger document # LS-R1-GUIDE.

Packed Solvent 60 % acetonitrile (aq)**Test Analysis****Flow Rate** 1.25 ml / min**Eluent** Isocratic 60 % acetonitrile (aq)**Pressure** 2713 psi**Temperature** Ambient**Sample Volume** 2.5 µl**Detection** UV at 254nm

Peak No	Peak Name	Retention time (minutes)	Capacity Factor
1	Theophylline	1.28	0.00
2	p-Nitroaniline	1.82	0.42
3	Methyl Benzoate	2.68	1.09
4	Phenetole	3.68	1.88
5	o-Xylene	5.10	2.99

Efficiency o-Xylene (n/m) = 144733