

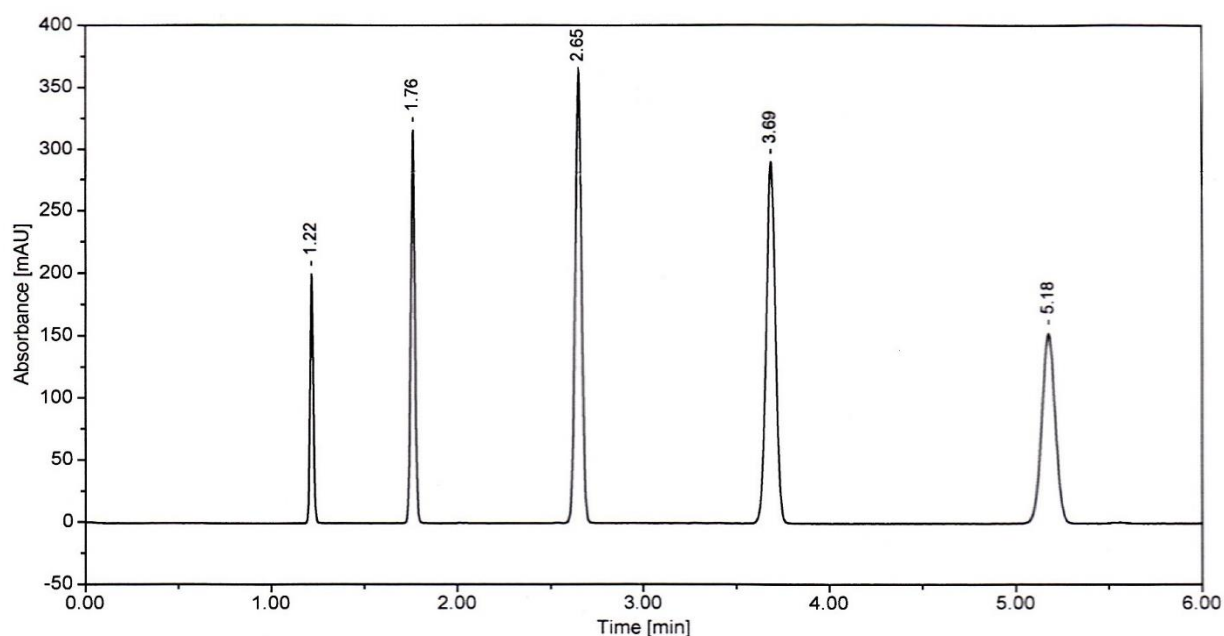
Certificate of Analysis**LudgerSep™ R1 HPLC Column for Glycan Analysis**

Cat. #: LS-R1-4.6x150

Batch: B88N-01

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** 2096 psi**Temperature** Ambient**Sample Volume** 5 µl**Detection** UV at 254nm

Peak No	Peak Name	Retention time (minutes)	Capacity Factor
1	Theophylline	1.22	0.00
2	p-Nitroaniline	1.76	0.45
3	Methyl Benzoate	2.65	1.17
4	Phenetole	3.69	2.03
5	o-Xylene	5.18	3.25

Efficiency o-Xylene (n/m) = 162313