

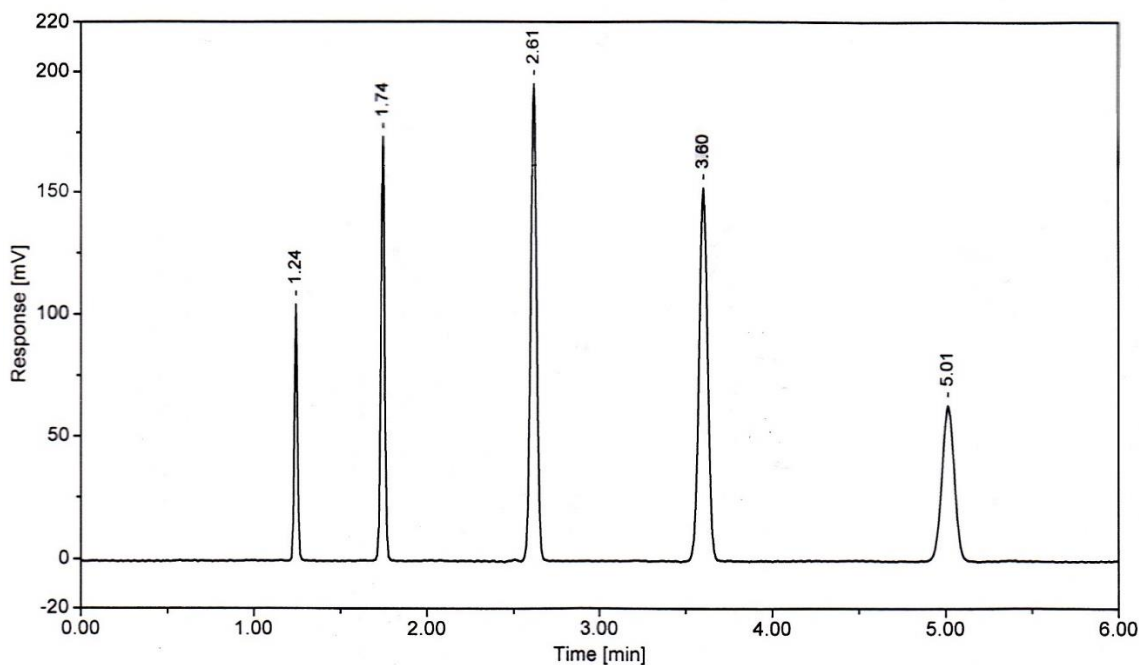
Certificate of Analysis**LudgerSep™ R1 HPLC Column for Glycan Analysis**

Cat. #: LS-R1-4.6x150

Batch: B8CB-03

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** 2111 psi**Temperature** Ambient**Sample Volume** 2.5 µl**Detection** UV at 254nm

Peak No	Peak Name	Retention time (minutes)	Capacity Factor
1	Theophylline	1.24	0.00
2	p-Nitroaniline	1.74	0.40
3	Methyl Benzoate	2.61	1.11
4	Phenetole	3.60	1.90
5	o-Xylene	5.01	3.04

Efficiency o-Xylene (n/m) = 158613