

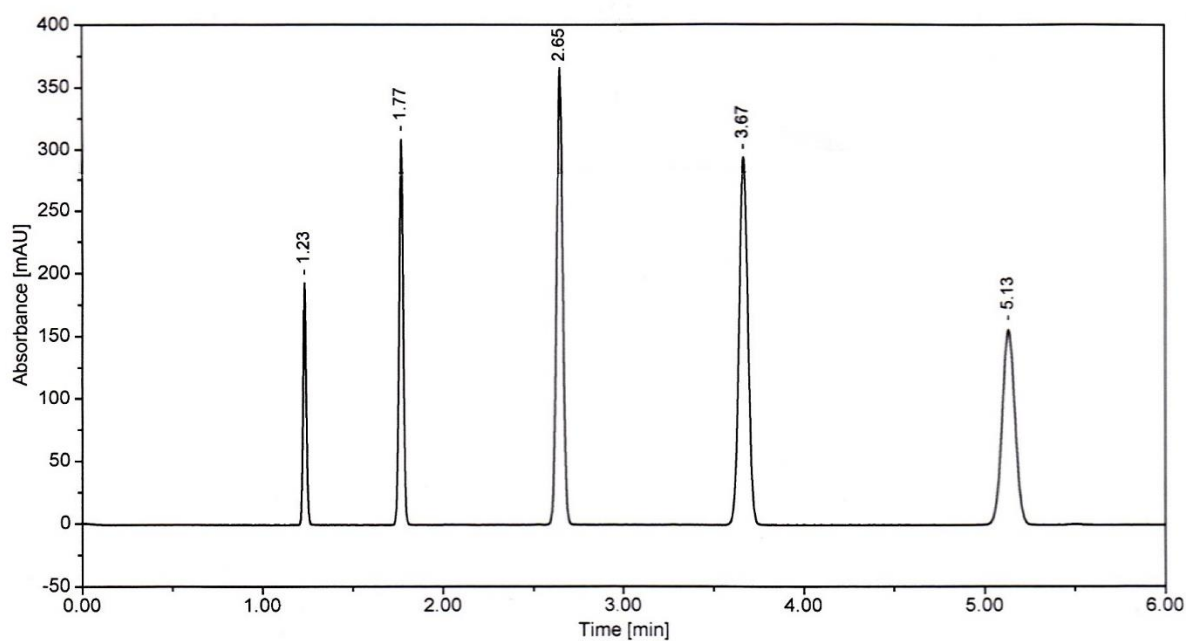
**Certificate of Analysis****LudgerSep™ R1 HPLC Column for Glycan Analysis**

Cat. #: LS-R1-4.6x150

Batch: B88N-02

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** 1934 psi**Temperature** Ambient**Sample Volume** 5 µl**Detection** UV at 254nm

Peak No	Peak Name	Retention time (minutes)	Capacity Factor
1	Theophylline	1.23	0.00
2	p-Nitroaniline	1.77	0.43
3	Methyl Benzoate	2.65	1.14
4	Phenetole	3.67	1.97
5	o-Xylene	5.13	3.16

Efficiency o-Xylene (n/m) = 166807