

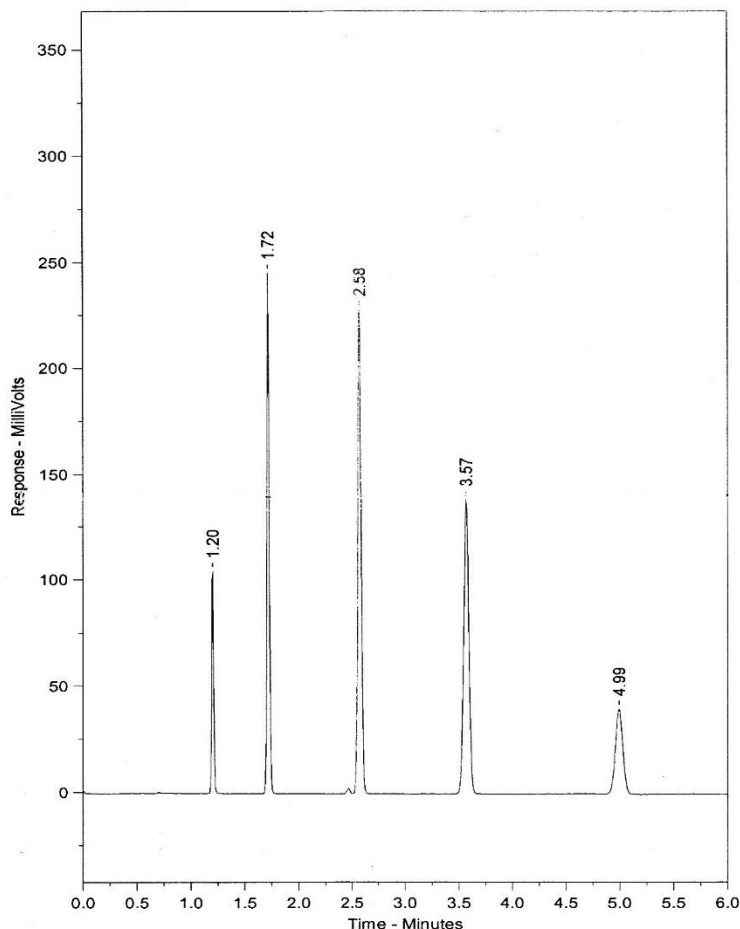
**Certificate of Analysis****LudgerSep™ R1 HPLC Column for Glycan Analysis**

Cat. #: LS-R1-4.6x150

Batch: B89P-12

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** 2169 psi**Temperature** Ambient**Sample Volume** 5 µl**Detection** UV at 254nm

<b>Peak No</b>	<b>Peak Name</b>	<b>Retention time (minutes)</b>	<b>Capacity Factor</b>
1	Theophylline	1.20	0.00
2	p-Nitroaniline	1.72	0.43
3	Methyl Benzoate	2.58	1.14
4	Phenetole	3.57	1.97
5	o-Xylene	4.99	3.15

**Efficiency o-Xylene (n/m) = 153980**

**Asymmetry Factor (10%) o-Xylene = 1.015**