

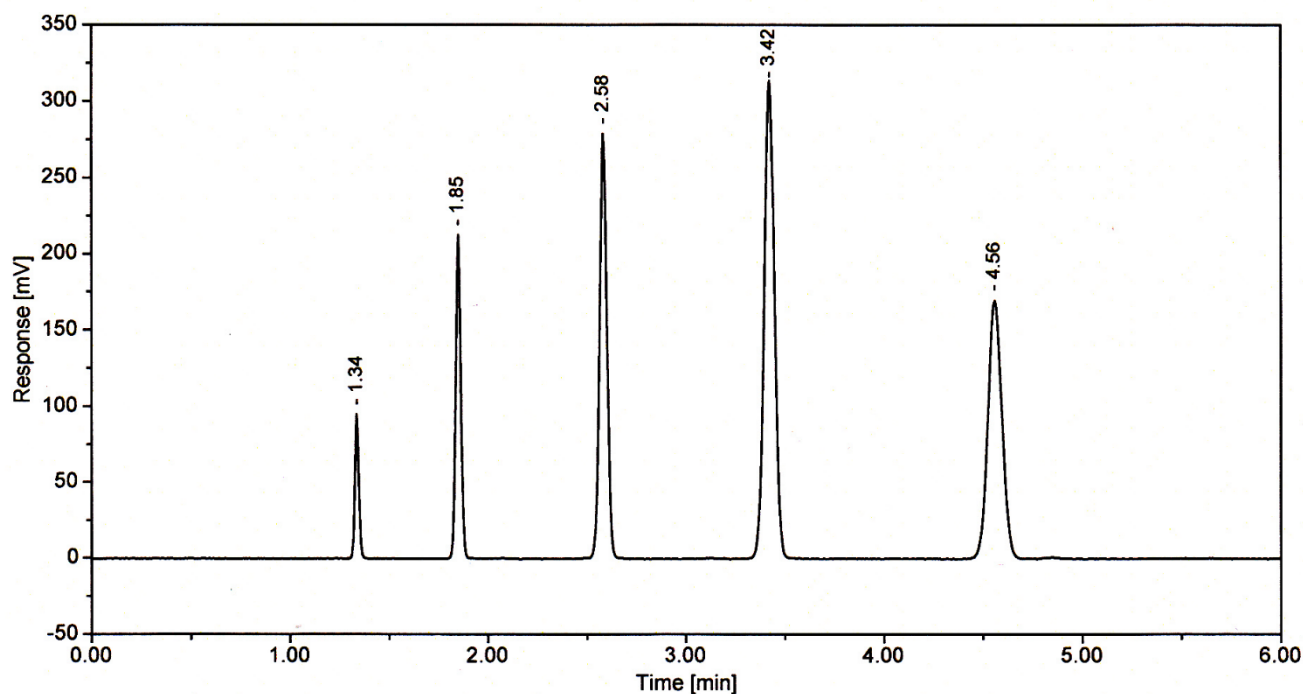
Certificate of Analysis**LudgerSep™ R2 HPLC Column for Glycan Analysis**

Cat. #: LS-R2-4.6x150

Batch: C01L-12

Size: 4.6 x 150 mm

This column conforms to the specifications given in Ludger document # LS-R2-GUIDE.

Packed Solvent 60 % acetonitrile (aq)**Test Analysis****Flow Rate** 1.25 ml / min**Eluent** Isocratic 60 % acetonitrile (aq)**Pressure** 1860 psi**Sample Volume** 2.5 µl**Detection** UV at 254nm

Peak No	Peak Name	Retention time (minutes)	Tailing Factor (5%)
1	Theophylline	1.34	1.07
2	p-Nitroaniline	1.85	1.02
3	Methyl Benzoate	2.58	0.99
4	Phenetole	3.42	0.99
5	o-Xylene	4.56	1.02

Efficiency o-Xylene (n/m) = 132113

Asymmetry Factor (5%) o-Xylene = 1.02