

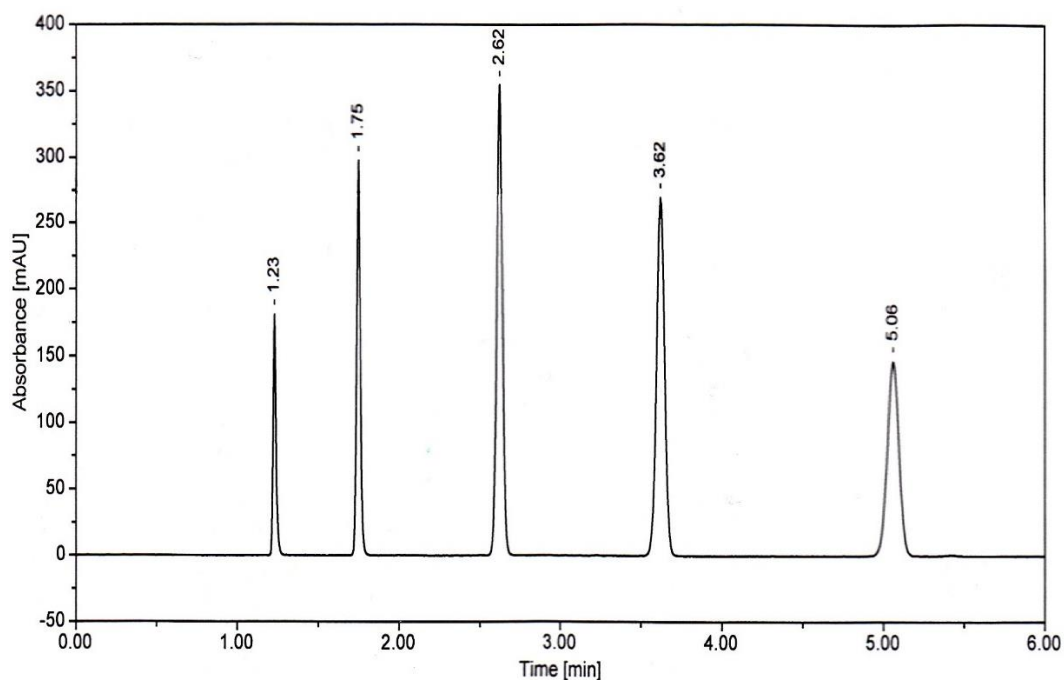
**Certificate of Analysis****LudgerSep™ R1 HPLC Column for Glycan Analysis**

Cat. #: LS-R1-4.6x150

Batch: B8CB-04

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** 2009 psi**Temperature** Ambient**Sample Volume** 2.5 µl**Detection** UV at 254nm

| Peak No | Peak Name       | Retention time<br>(minutes) | Capacity Factor |
|---------|-----------------|-----------------------------|-----------------|
| 1       | Theophylline    | 1.23                        | 0.00            |
| 2       | p-Nitroaniline  | 1.75                        | 0.42            |
| 3       | Methyl Benzoate | 2.62                        | 1.13            |
| 4       | Phenetole       | 3.62                        | 1.95            |
| 5       | o-Xylene        | 5.06                        | 3.11            |

Efficiency o-Xylene (n/m) = 155147