



Certificate of Analysis

Xylose Standard

Cat. # CM-XYL-100

Batch #: B72L-06

Size: 100 nmols

Expiry Date: Feb 2022

The xylose reference standard is a quantitative standard comprised of NIST-F and USP traceable xylose (Xyl)

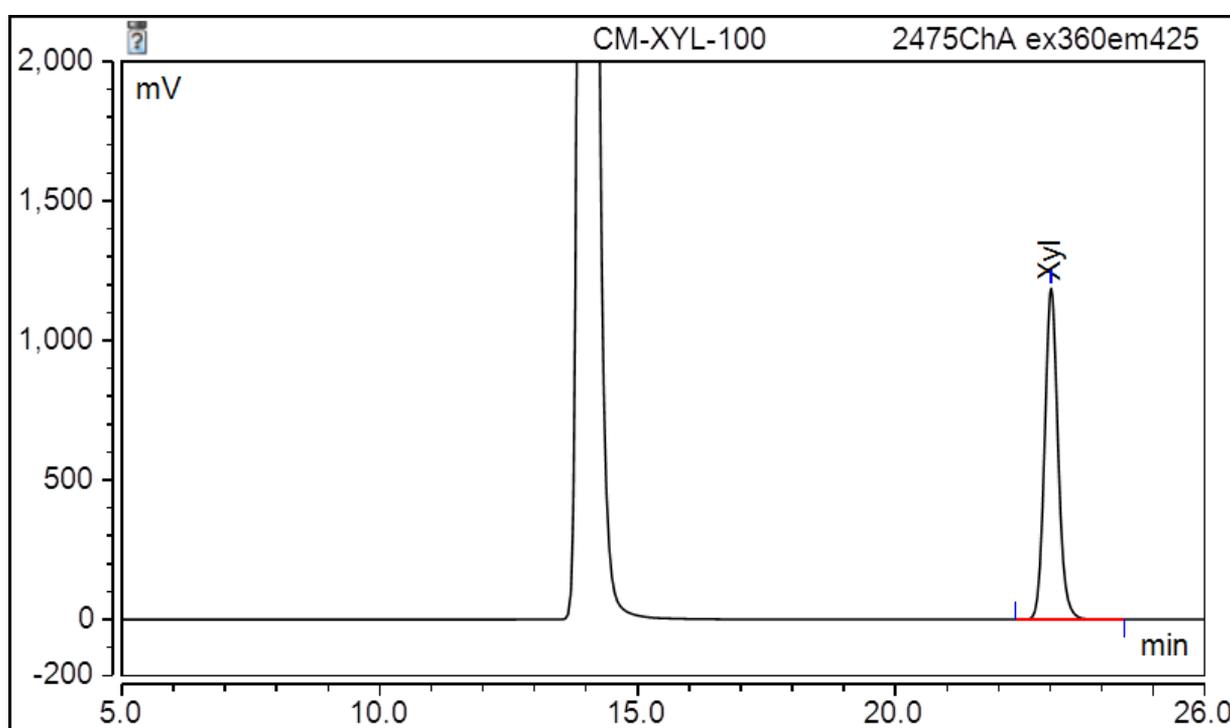


Figure 1: LudgerSep R2 column profile of CM-XYL-100 -2AA labelled. The peak between 14-15 minutes is free dye, sample run on 20 Mar 2017.

Accuracy: The xylose monosaccharide amount is 101.4 ± 2.5 (standard deviation) taken from the analysis of 12 sample vials from this batch.

Ludger

2-AA labeled xylose standard eluted under the following HPLC conditions:

Column: LudgerSep R2 (Cat. #: LS-R2-4.6x150)

Flow: 0.8 ml/min increasing to 1.2 ml/min (see gradient below).

Temperature: 35 °C

Solvent A: butylamine:phosphoric acid:tetrahydrofuran (BPT)

Solvent B: acetonitrile

Gradient:

Time (min)	Flow (mL/min)	%B
0.0	0.8	3.5
7.0	0.8	3.5
25.3	0.8	8.5
26.3	0.8	50.0
26.8	1.2	50.0
32.3	1.2	3.5
35.0	0.8	3.5

Detector: Fluorescence,

Excitation wavelength: 360 nm

Emission wavelength: 425 nm