



## Certificate of Analysis

### Xylose Standard

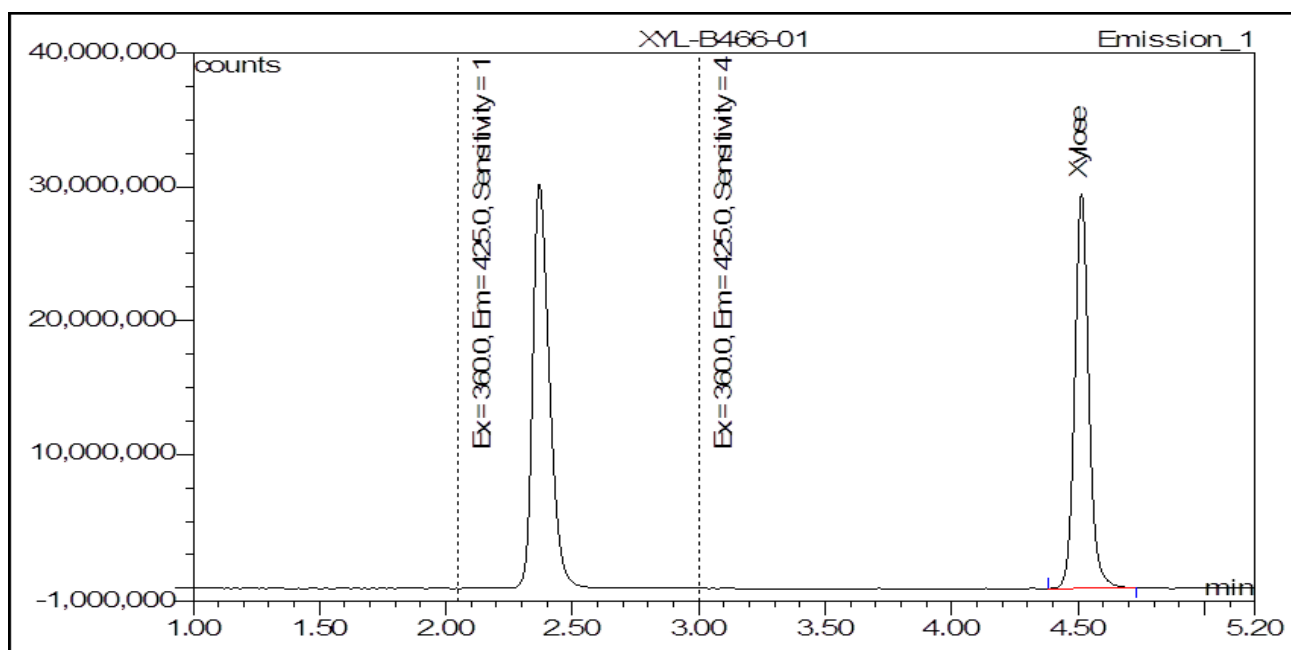
Cat. # CM-XYL-100

Batch #: B466-01

Size: 108.5 nmols

Expiry Date: Jun 2019

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



**Figure 1:** Ludger Sep-UR2 column profile of CM-XYL-100 -2AA labelled. The peak between 2-3 minutes is free dye. Sample run 08-AUG-2014.

#### Accuracy

The xylose monosaccharide amount is  $108.5 \pm 0.75$  taken from analysis of 12 sample vials from this batch. Values are in Nmols  $\pm 95\%$  confidence interval.

#### **2-AA labeled monosaccharide standards eluted under the following HPLC conditions:**

Column: LudgerSep UR2 (Cat. #: LS-UR2-2.1x50)

Flow: 0.4 ml/min.

Temperature: 35 °C

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

Solvent B: acetonitrile

Gradient: 0-1 min: 0% B, 1-4.5 min: 0-15.7% B, 4.5-4.6 min: 15-50% B, 4.6-5.6 min: 50% B

HPLC: Dionex U3000 UHPLC    Detector: U3000 FD    Excitation wavelength: 360 nm    Emission wavelength: 425 nm