

## Certificate of Analysis

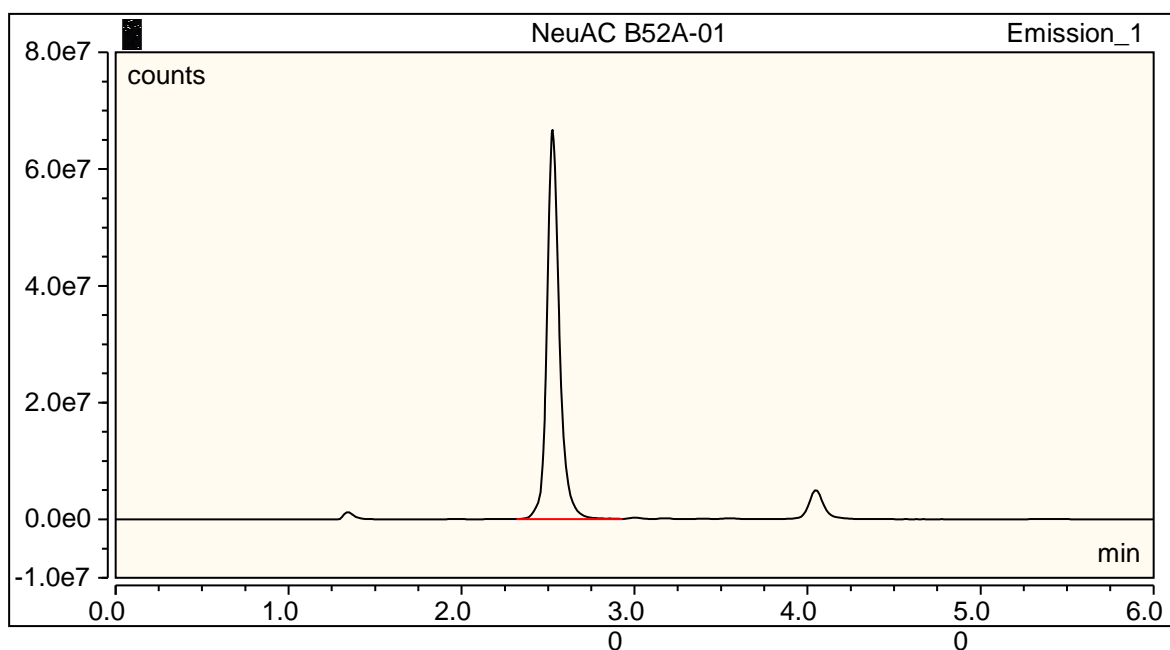
### NeuAc Standard

Cat. #: CM-NEUAC-01

Batch: B52A-01

Size:  $1.01 \pm 0.05$  nmol

The N-acetylneuraminic acid standard is a quantitative standard of NIST-F and USP traceable Neu5Ac monosaccharide.



**Figure 1:** LudgerSep-uR2 HPLC profile of 1,2-diamino-4,5-methylenedioxybenzene.2HCl (DMB) labeled NeuAc standard (Cat. #: CM-NEUAC-01, Batch B52A-01).

**Accuracy:** This analysis was performed on 12 vials of CM-NEUAC-01.

**The dispensed amount was determined as  $1.01 \pm 0.05$  nmol**

**NeuAc per vial.**

Values are in Nmols  $\pm 95\%$  confidence interval.



***DMB labeled sialic acid standards eluted under the following HPLC conditions:***

Column: LudgerSep uR2 (Cat. #: LS-uR2-2.1x100) B2C5-17

Flow: 0.25 ml/min.

Temperature: 30 °C

Solvent A: methanol:acetonitrile:water (7:9:84)

Gradient: 0-10 min: 100% Solvent A

HPLC: Dionex U3000 UHPLC Detector: U3000 FD

Excitation wavelength: 373 nm Emission wavelength: 448 nm