

Certificate of Analysis

NeuAc Standard

Cat. #: CM-NEUAC-01

Batch: B71V-01

Size: 1.01 ± 0.05 nmol

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

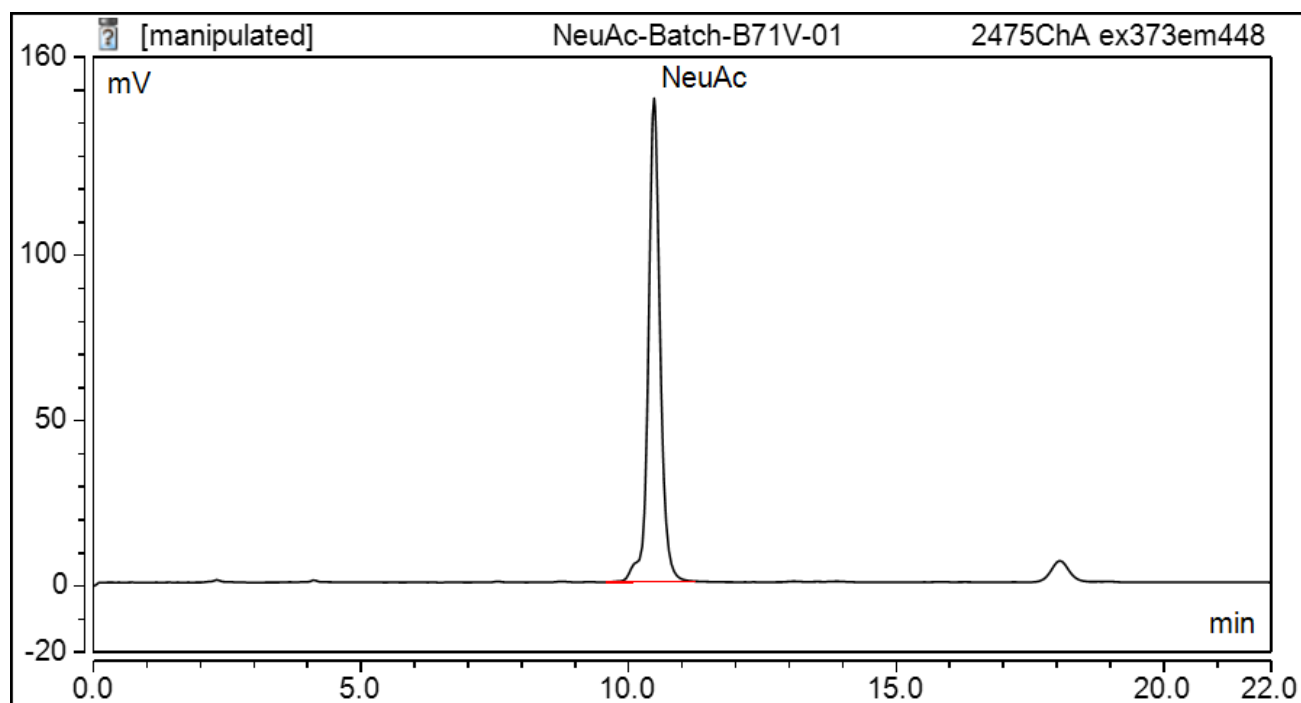


Figure 1: LudgerSep-uR2 HPLC profile of 1,2-diamino-4,5-methylenedioxybenzene.2HCl (DMB) labeled NeuAc standard (Cat. #: CM-NEUAC-01, Batch B71V-01).

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

The dispensed amount was determined as 1.01 ± 0.05 Nmols 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)

Flow: 0.5 ml/min.

Temperature: 30 °C

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

Gradient: 0 min: 100% Solvent A

19.5 min: 10% A

24 min: 100% A

36 min: 100% A

HPLC: Waters Aquity UHPLC Detector: Waters FLV

Excitation wavelength: 373 nm Emission wavelength: 448 nm