

Certificate of Analysis

NeuAc Standard

Cat. #: CM-NEUAC-01

Batch: B818-01

Size: 0.99 ± 0.04 nmol

Expiry Date: 09 Jan 2023

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

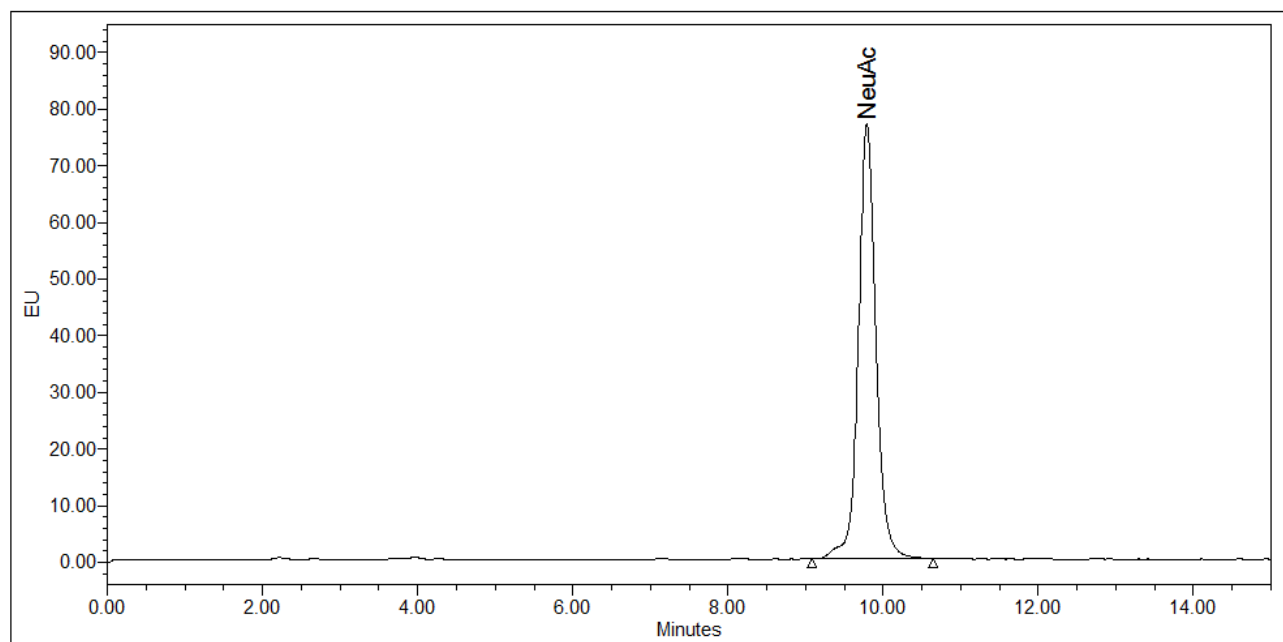


Figure 1: LudgerSep-R1 HPLC profile of 1,2-diamino-4,5-methylenedioxybenzene.2HCl (DMB) labeled NeuAc standard (Cat. #: CM-NEUAC-01, Batch B818-01).

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

The dispensed amount was determined as 0.99 ± 0.04 nmol NeuAc per vial.

Values are in nmols \pm standard deviation.

DMB labeled sialic acid standards eluted under the following HPLC conditions:**Column:** LudgerSep R1 (Cat. #: LS-R1-4.6x150)Flow: 0.5 ml/min.Temperature: 30 °CSolvent A: methanol:acetonitrile:water (7:9:84)Solvent B: acetonitrileGradient:

| Time (min) | %B |
|------------|------|
| 0.0 | 0.0 |
| 19.0 | 0.0 |
| 19.5 | 90.0 |
| 23.5 | 90.0 |
| 24.0 | 0.0 |
| 30.0 | 0.0 |
| 35.0 | 0.0 |

Detector: FluorescenceExcitation wavelength: 373 nmEmission wavelength: 448 nm