



## Certificate of Analysis

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### NeuAc Standard

Cat. #: CM-NEUAC-01

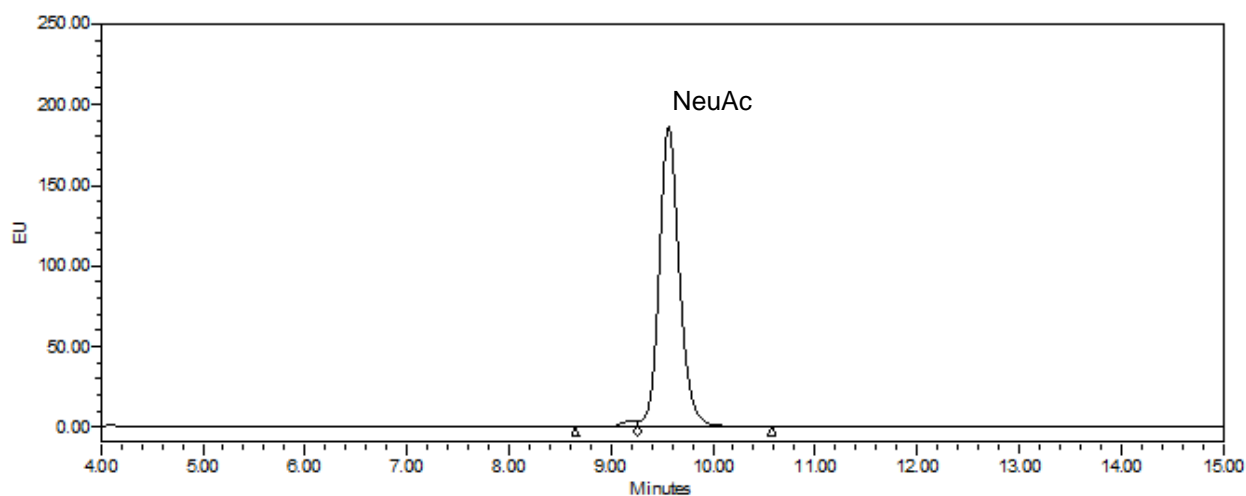
Batch: B696-01

Size:  $1.05 \pm 0.04$  nmol

Expiry Date: 06 Sep 2021

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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 B696-01).

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

**The dispensed amount was determined as  $1.05 \pm 0.04$  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-R2-4.6x150)

Flow: 0.5 ml/min.

Temperature: 30 °C

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

Solvent B: acetonitrile

Gradient:

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: Fluorescence

Excitation wavelength: 373 nm

Emission wavelength: 448 nm