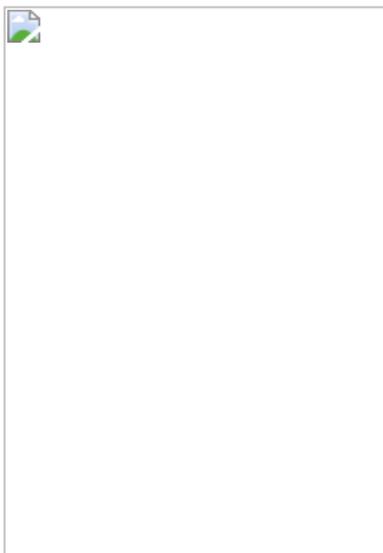
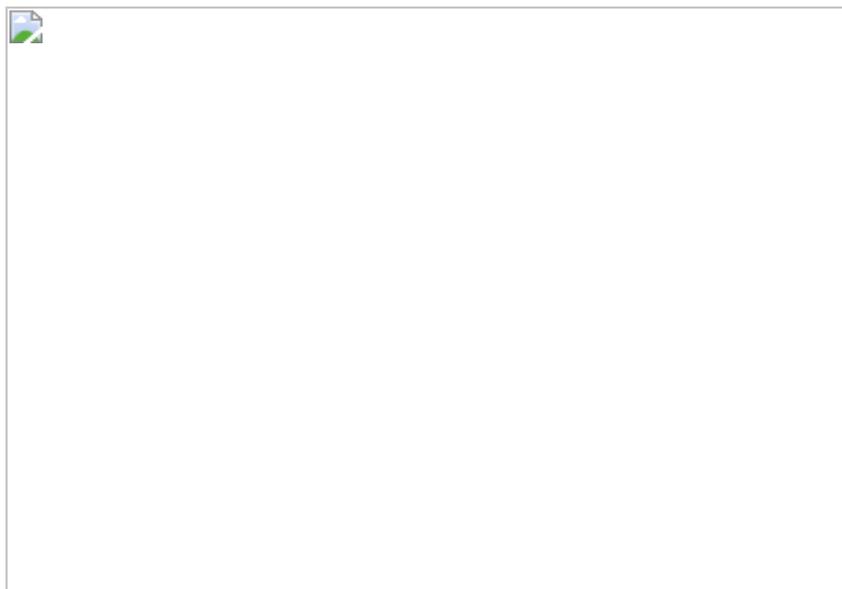


Fructose and Glucose with HPLC with ELSD - AppNote

Date: 10-OCTOBER-2025 Last Updated: 10-OCTOBER-2025

The Cogent Amide Column, combined with a TEA-based mobile phase, offers excellent separation performance, and the method is well-suited for routine sugar analysis in beverages.



PEAKS:

1. D-Fructose, 2. D-Glucose

Method Conditions

Column: Cogent Amide™, 4 µm, 100 Å

Catalog No.: 40036-10D

Dimensions: 4.6 x 100 mm

Mobile Phase: 10% DI Water / 90% Acetonitrile (v/v),

Injection vol.: 3 μ L

Flow rate: 1.0 mL / minute

Detection: ELSD (Gain 8, Temp 50C, Nitrogen: 3.5lb)

Sample: D-Fructose and D-Glucose reference standards (1 mg / mL) in diluent of 50% Acetonitrile / 50% DI Water / 0.1% TEA (v/v)



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