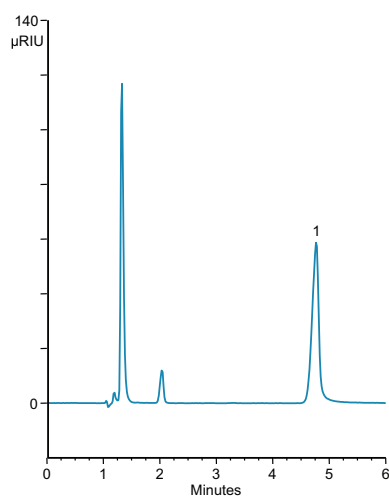


## Sorbitol in Mouthwash Using Accucore 150-Amide-HILIC



Column: Thermo Scientific™ Accucore™  
 150-Amide-HILIC, 2.6 μm  
 Dimensions: 4.6 × 100 mm  
 System: Thermo Scientific™ UltiMate™ 3000  
 LC System  
 Mobile Phase: Acetonitrile:water 85:15 (v/v) + 10 mM  
 sodium perchlorate  
 Flow: 1.00 mL/min  
 Temperature: 50 °C  
 Injection: 0.5 μL  
 Detector: Refractive index  
 Sample: Mouthwash  
 Peaks: 1. Sorbitol

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Mouthwash formulations are usually sweetened to cover the taste of alcohol and antibacterial agents. Sorbitol or some other non-nutritive sugar is often used so as not to promote tooth decay. The Accucore 150-Amide-HILIC column is based on advanced superficially porous silica particles that was covalently modified with polyacrylamide polymer. As the result, it provides high efficiency and excellent interactions for highly polar analytes. Shown here is the separation of sorbitol in mouthwash under an isocratic condition. Since it is present in high concentrations, refractive index detection is simple and effective, and no sample preparation is needed.