Waters™

Application Note

Analysis of Stevia Related Compounds Using ACQUITY UPLC BEH Amide Columns

Waters Corporation

This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief highlights the analysis of stevia related compounds using ACQUITY UPLC BEH Amide Columns.

Introduction

The compounds used in this study are:

- 1. Steviol
- 2. Stevioside
- 3. Rebaudioside A
- 4. Rebaudioside C

Experimental

Chromatographic Conditions

Column: ACQUITY UPLC BEH Amide 2.1

x 100 mm, 1.7 μm

Part Number: 186004801

Mobile Phase A: 80/20 MeCN/H₂O with 0.2%

triethylamine [TEA]

Mobile Phase B: 30/70 MeCN/H₂O with 0.2%

triethylamine [TEA]

Flow Rate: 0.20 mL/min

Injection Volume: 1.3 μ L (PLNO)

Sample Concentration: 5 mg/mL

Sample Diluent: 50/50 MeCN/H₂O

Column Temperature: 35 °C

Strong Needle Wash: $20/80 \text{ MeCN/H}_2\text{O} (800 \text{ }\mu\text{L})$

Weak Needle Wash: $75/25 \text{ MeCN/H}_2\text{O} (500 \mu\text{L})$

Seal Wash: 50/50 MeCN/H₂O

Instrument: Waters ACQUITY UPLC with

ELSD

ELSD Conditions

Gain: 200

Pressure: 40 psi

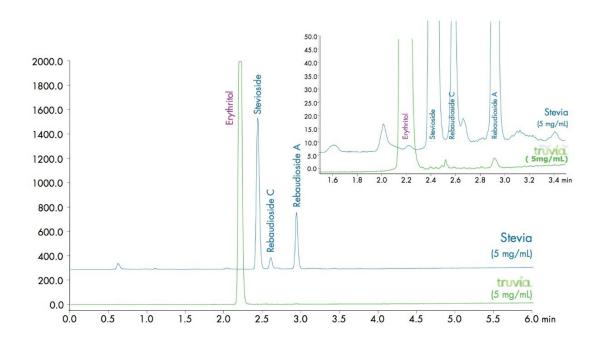
Drift Tube Temperature: 40 °C

Nebulizer: Cooling

Data Rate: 10 pps

Filter Time Constant: Normal

Results and Discussion



Featured Products
ACQUITY UPLC ELS Detector https://www.waters.com/514219
WA60128, October 2009
© 2022 Waters Corporation. All Rights Reserved.