

Glycol Analysis by HPLC

Application Note

Food

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Introduction

This application note demonstrates the use of an Agilent Hi-Plex Ca column for the separation of ethylene glycol and trimethylene glycol (or 1,3-propanediol).



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Materials and Reagents

Column	Agilent Hi-Plex Ca (8% crosslinked), 7.7 × 300 mm, 8 μm (p/n PL1170-6810)
Mobile phase	100% DI H ₂ O
Flow rate	0.6 mL/min
Temperature	85 °C
Detector	RI

Results

The Agilent Hi-Plex Ca column gives very good separation of ethylene glycol and trimethylene glycol.

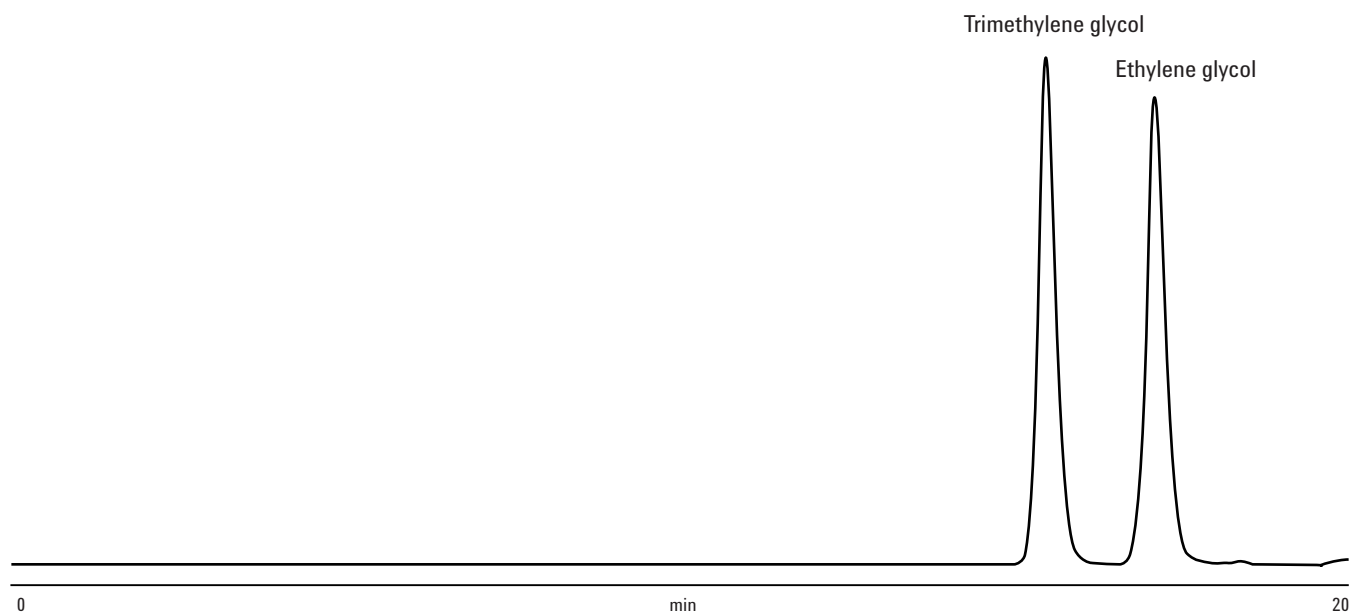


Figure 1. Separation of glycols on an Agilent Hi-Plex Ca column. Twenty microliters of a 10 mg/mL solution were injected.

For More Information

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