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Application Note

Analysis of Estradiol USP Method Using XBridge C₁₈

Waters Corporation



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

Abstract

This application brief highlights the analysis of estradiol USP method using XBridge C_{18} Columns.

Introduction

Compounds

1. Ethylparaben

2. Estradiol

3. Estrone

Experimental

Test Conditions

Column: XBridge C_{18} , 5 μ m, 4.6 x 150 mm p/n: 186003116

Isocratic Mobile Phase: water/acetonitrile (45:55)

Flow Rate: 1.0 mL/min

Injection Volume: 10 μ L

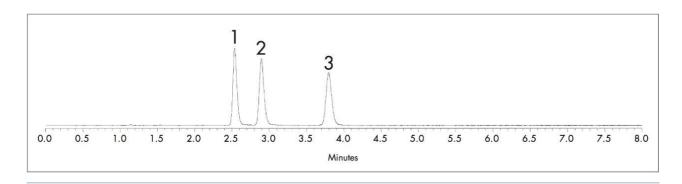
Sample Concentration: 20 µg/mL in water/ACN (50:50)

Temperature: 25 °C

Detection: UV @ 205 nm

Instrument: Alliance 2695 with 2996 PDA

Results and Discussion



1. Ethylparaben 2. Estradiol 3. Estrone.

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