

Analysis of Estradiol USP Method Using XBridge C₁₈

Waters Corporation



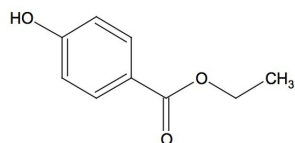
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

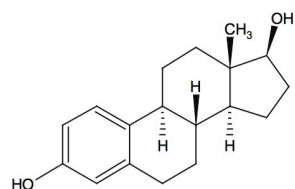
This application brief highlights the analysis of estradiol USP method using XBridge C₁₈ Columns.

Introduction

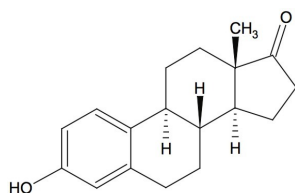
Compounds



1. Ethylparaben



2. Estradiol



3. Estrone

Experimental

Test Conditions

Column:	XBridge C ₁₈ , 5 μm, 4.6 x 150 mm p/n: 186003116
Isocratic Mobile Phase:	water/acetonitrile (45:55)
Flow Rate:	1.0 mL/min
Injection Volume:	10 μL

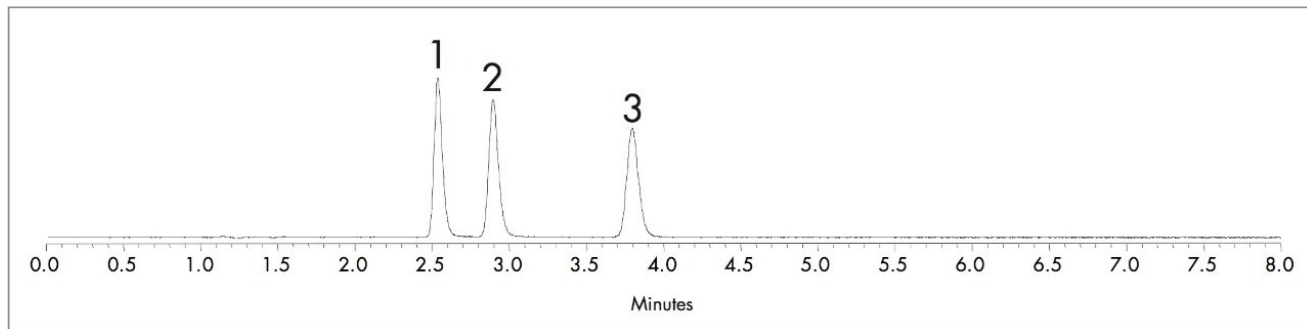
Sample Concentration: 20 µg/mL in water/ACN (50:50)

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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· [Alliance HPLC <https://www.waters.com/514248>](https://www.waters.com/514248)

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