

Analysis of Estradiol USP Method Using XBridge C₁₈

Waters Corporation



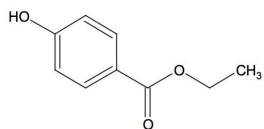
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

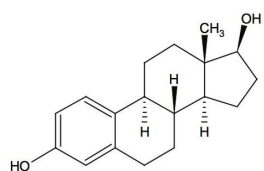
This application brief highlights the analysis of estradiol USP method using XBridge C₁₈ Columns.

Introduction

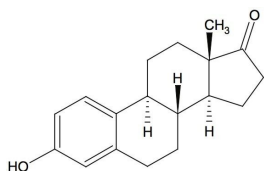
Compounds



1. Ethylparaben



2. Estradiol



3. Estrone

Experimental

Test Conditions

Column:

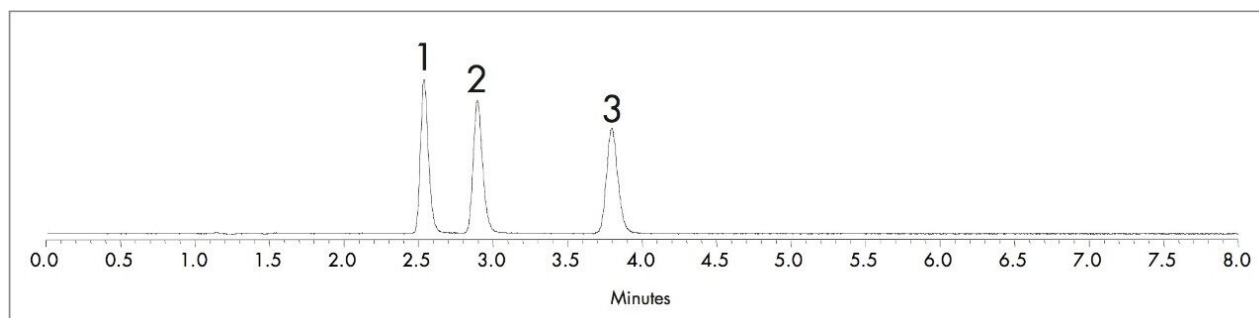
XBridge C₁₈, 5 μm, 4.6 x 150 mm p/n: 186003116

Isocratic Mobile Phase:

water/acetonitrile (45:55)

Flow Rate: 1.0 mL/min
Injection Volume: 10 μ L
Sample Concentration: 20 μ g/mL in water/ACN (50:50)
Temperature: 25 $^{\circ}$ C
Detection: UV @ 205 nm
Instrument: Alliance 2695 with 2996 PDA

Results and Discussion



1. Ethylparaben 2. Estradiol 3. Estrone.

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WA60164, April 2007

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