

Note d'application

## Analysis of Estradiol USP Method Using XBridge C<sub>18</sub>

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Waters Corporation



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

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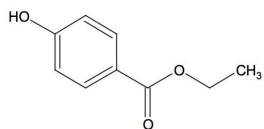
### Abstract

This application brief highlights the analysis of estradiol USP method using XBridge C<sub>18</sub> Columns.

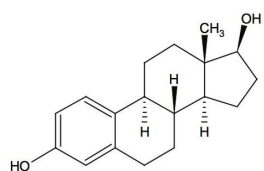
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# Introduction

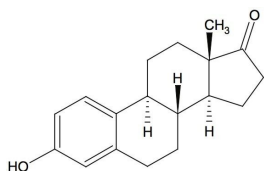
## Compounds



### 1. Ethylparaben



### 2. Estradiol



### 3. Estrone

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# Experimental

## Test Conditions

Column:

XBridge C<sub>18</sub>, 5 μm, 4.6 x 150 mm p/n: 186003116

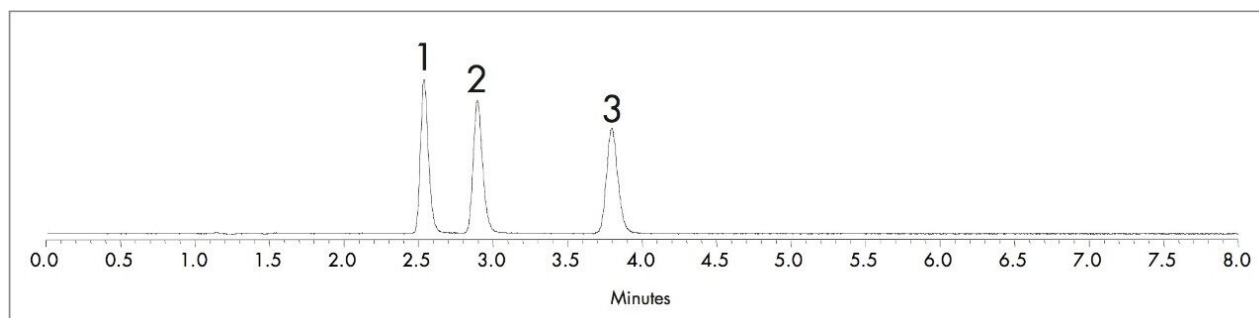
Isocratic Mobile Phase:

water/acetonitrile (45:55)

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

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## Results and Discussion



1. Ethylparaben 2. Estradiol 3. Estrone.

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## Featured Products

Alliance HPLC <<https://www.waters.com/514248>>

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