

Application Note

## Dextromethorphan

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Waters Corporation



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

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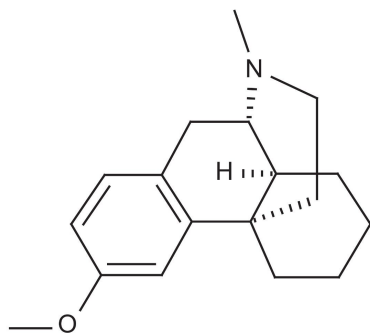
### Abstract

This application brief highlights the analysis of dextromethorphan using XTerra RP<sub>18</sub> columns.

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## Introduction

Dextromethorphan has been analyzed in this study.



Dextromethorphan

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## Experimental

### HPLC Conditions

Column:	XTerra RP <sub>18</sub> 4.6 x 150 mm, 5 μm (p/n: 186000492)
Mobile phase:	At pH 3.0: H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> COOH, pH 3.0, 40:50:10 At pH 7.0: H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> HCO <sub>3</sub> , pH 7.0, 50:40:10 At pH 10.0: H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> HCO <sub>3</sub> , pH 10.0, 22:68:10
Flow rate:	1.0 mL/min

Injection volume: 5  $\mu$ L of 250  $\mu$ g/mL

Temperature: 30  $^{\circ}$ C

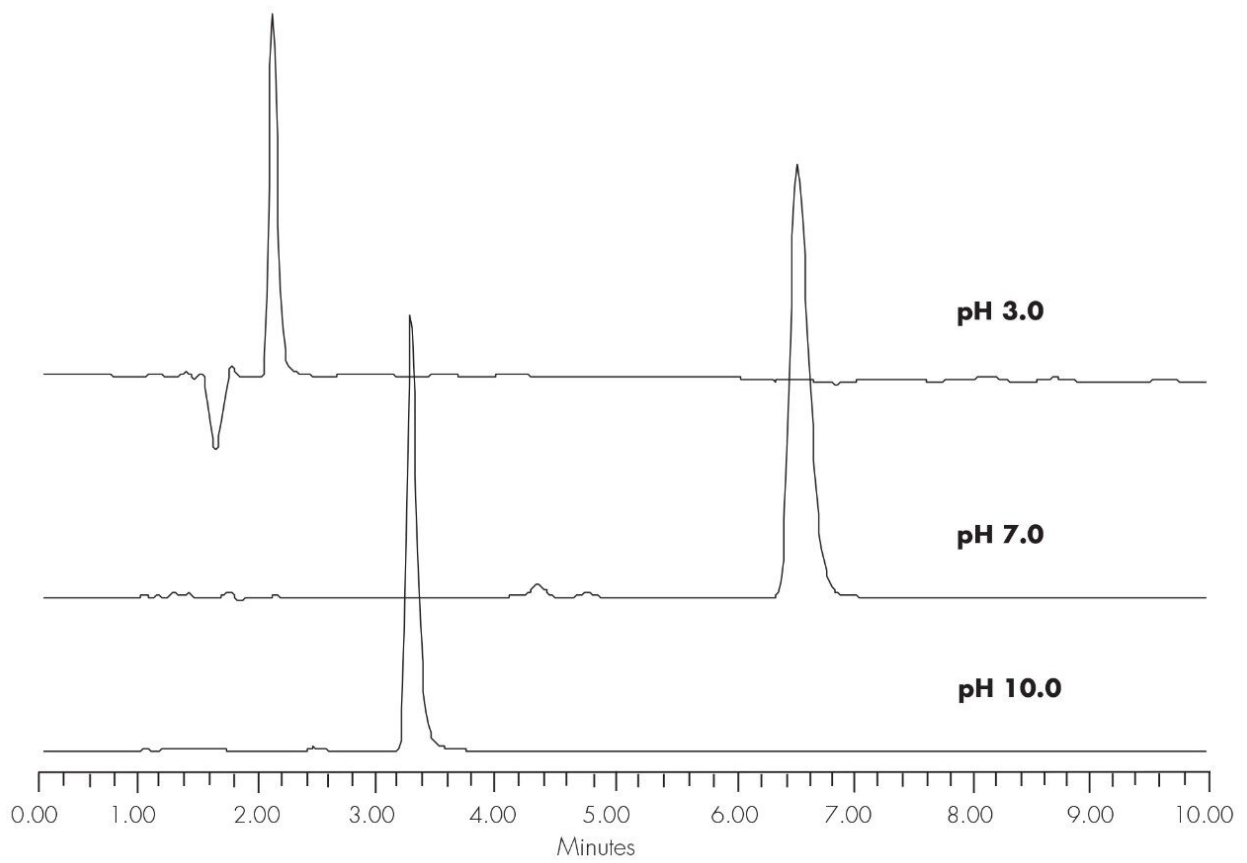
Detection: UV @ 228 nm

Instrument: Alliance 2695, 2996 PDA

Mobile Phase pH	USP Tailing
3.0	1.25
7.0	1.39
10.0	1.39

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## Results and Discussion



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WA20738.033, June 2002