

Application Note

## Nicotinic Acid

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Waters Corporation



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

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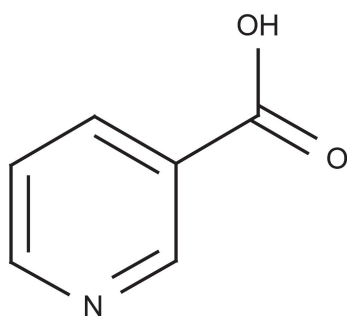
### Abstract

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

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## Introduction

Nicotinic acid has been analyzed in this study.



## Nicotinic Acid

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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, 85:05:10 At pH 7.0: H <sub>2</sub> O/ACN/100 mM, NH <sub>4</sub> HCO <sub>3</sub> , pH 7.0, 87.5:2.5:10 At pH 10.0: H <sub>2</sub> O/ACN/100 mM, NH <sub>4</sub> HCO <sub>3</sub> , pH 10.0, 90:0:10
Flow rate:	1.0 mL/min
Injection volume:	5 μL of 250 μg/mL

Temperature: 30 °C

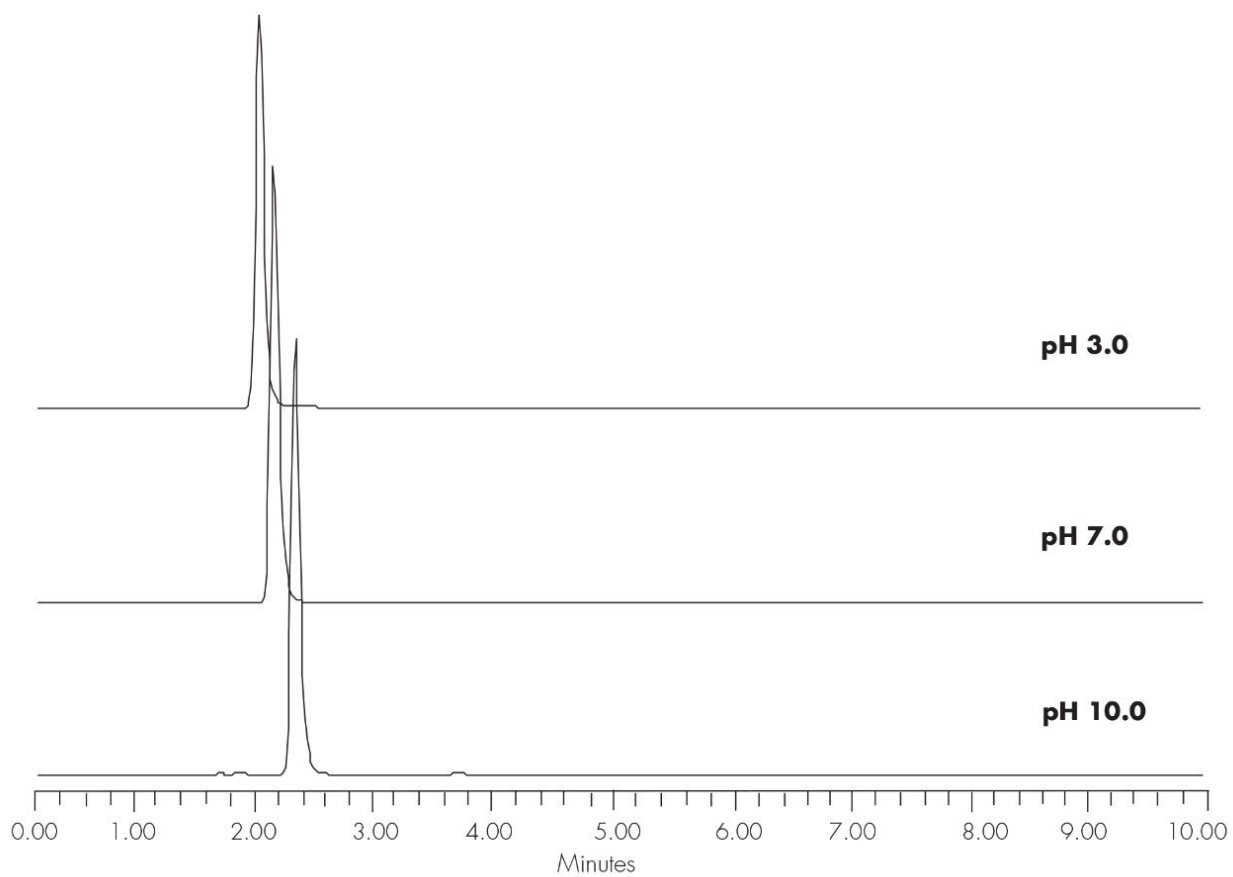
Detection: UV @ 254 nm

Instrument: Alliance 2695, 2996 PDA

Mobile Phase pH	USP Tailing
3.0	1.26
7.0	1.26
10.0	1.26

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## Results and Discussion



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

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