

Application Note

Nicotinic Acid

Waters Corporation



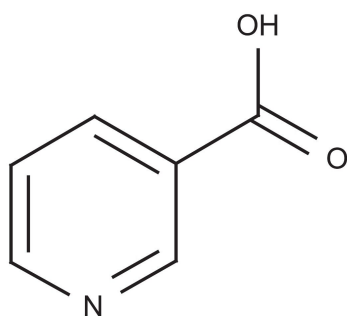
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief highlights the analysis of nicotinic acid using XTerra RP₁₈ columns.

Introduction

Nicotinic acid has been analyzed in this study.



Nicotinic Acid

Experimental

HPLC Conditions

Column:	XTerra RP ₁₈ 4.6 x 150 mm, 5 μm (p/n: 186000492)
Mobile phase:	At pH 3.0: H ₂ O/ACN/100 mM, NH ₄ COOH, pH 3.0, 85:05:10 At pH 7.0: H ₂ O/ACN/100 mM, NH ₄ HCO ₃ , pH 7.0, 87.5:2.5:10 At pH 10.0: H ₂ O/ACN/100 mM, NH ₄ HCO ₃ , pH 10.0, 90:0:10
Flow rate:	1.0 mL/min
Injection volume:	5 μL of 250 μg/mL

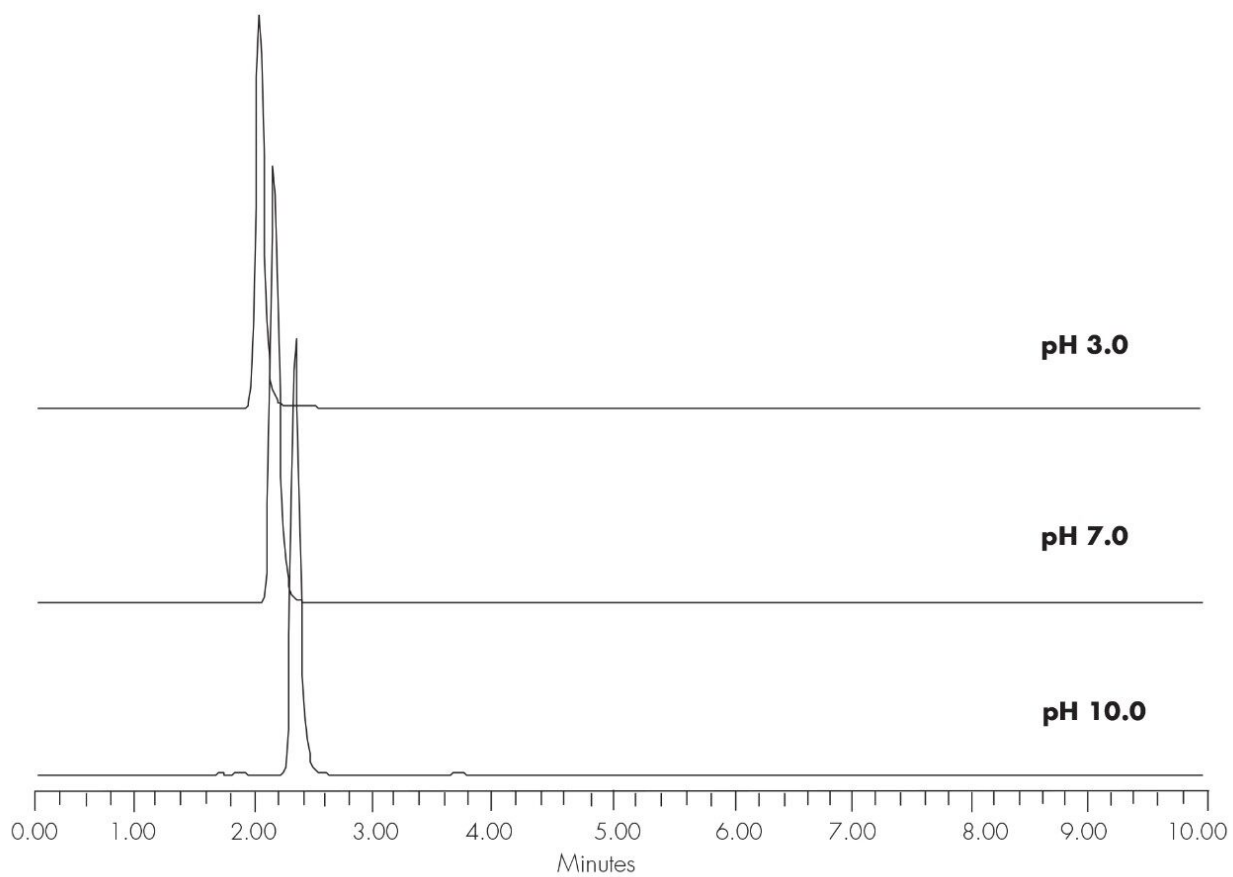
Temperature: 30 °C

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

Results and Discussion



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