

Fungicides in Apple Juice

Waters Corporation



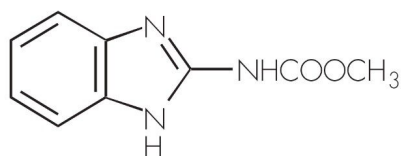
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

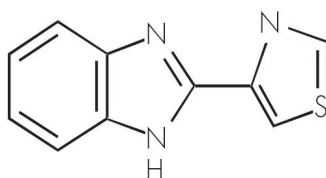
This application brief demonstrates analysis of fungicides in apple juice.

Introduction

The compounds analyzed in this study are - Carbendazim and Thiabendazole.



CARBENDAZIM



THIABENDAZOLE

Experimental

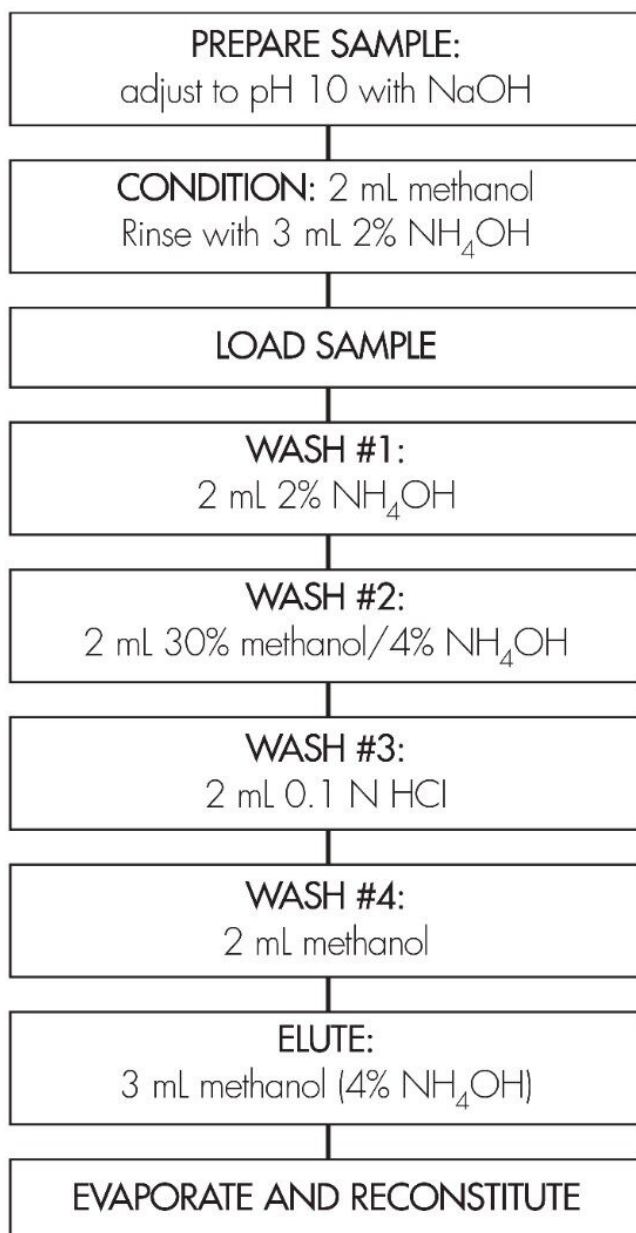
LC Conditions

| | |
|-------------------|--|
| Column: | Xterra RP ₁₈ , 4.6 x 100 mm, 3.5 μm |
| Part number: | 186000438 |
| Mobile phase: | 72.5% KH ₂ PO ₄ /K ₂ HPO ₄ (20 mM pH 6.8) 27.5% CH ₃ CN |
| Flow rate: | 1 mL/min |
| Injection volume: | 20 μL |
| Detection: | PDA (288 nm) |

OASIS® MCX SPE METHOD FOR FUNGICIDES

Conditions for Oasis® MCX Cartridge, 6 cc/150 mg

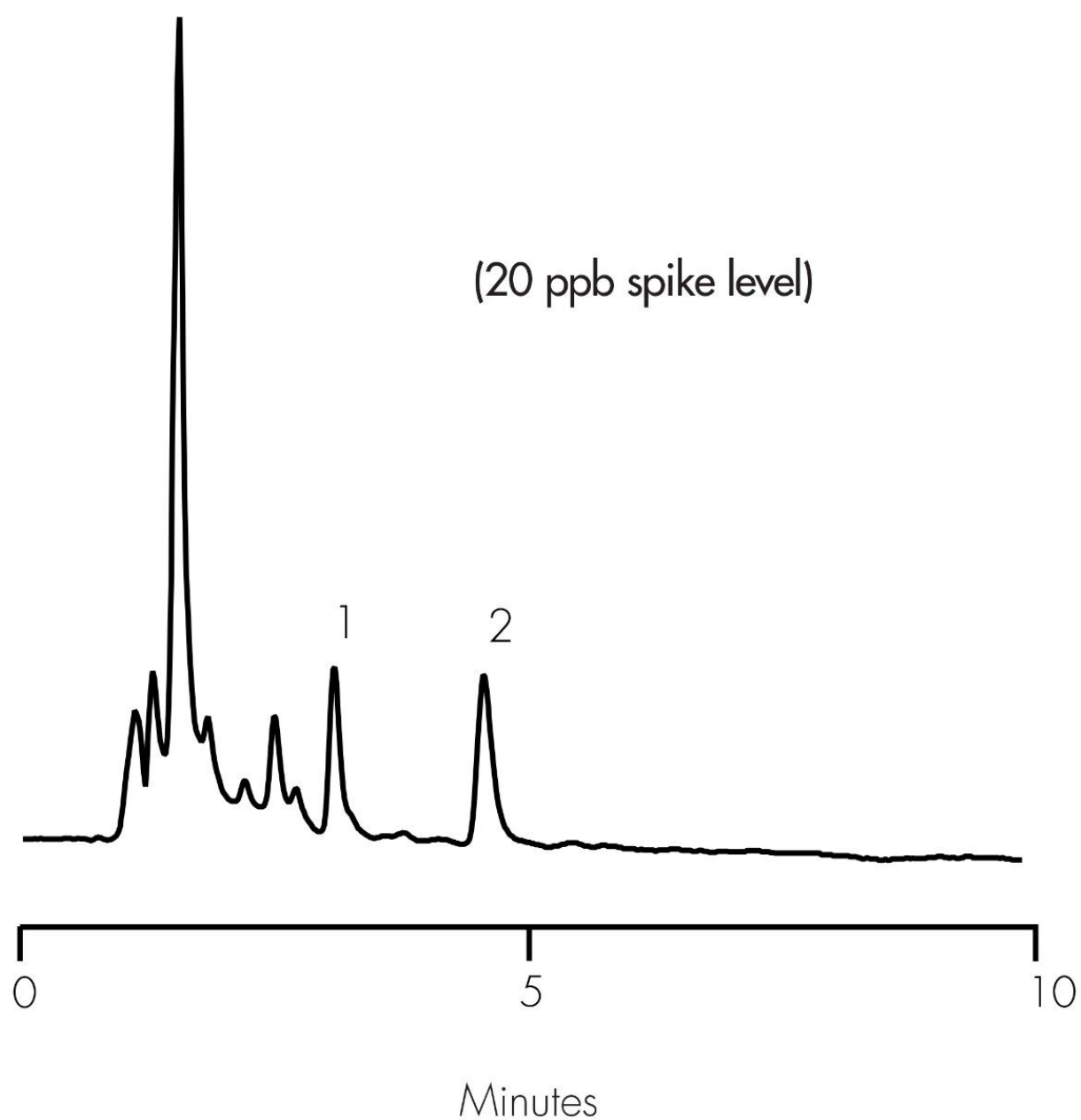
Part Number 186000256



Results and Discussion

| Compounds | % Recovery, n=4 |
|------------------|-----------------|
| 1. Carbendazim | 82% (2% RSD) |
| 2. Thiabendazole | 96% (2% RSD) |

LC/PDA Chromatogram of Fungicides in Apple Juice



Featured Products

WA31764.89, June 2003

© 2021 Waters Corporation. All Rights Reserved.