

Fungicides in Orange Juice - XTerra RP18 Column

Waters Corporation



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

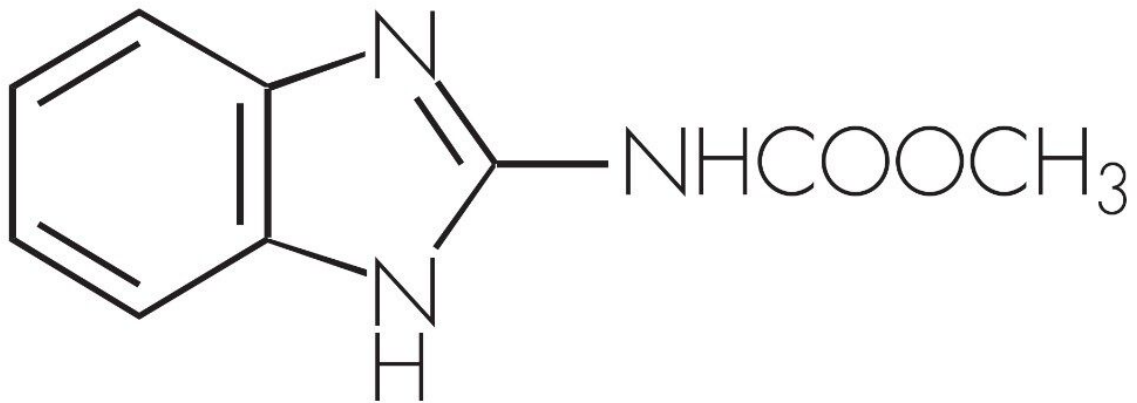
Abstract

This application brief highlights the analysis of fungicides in orange juice using XTerra RP₁₈ Columns.

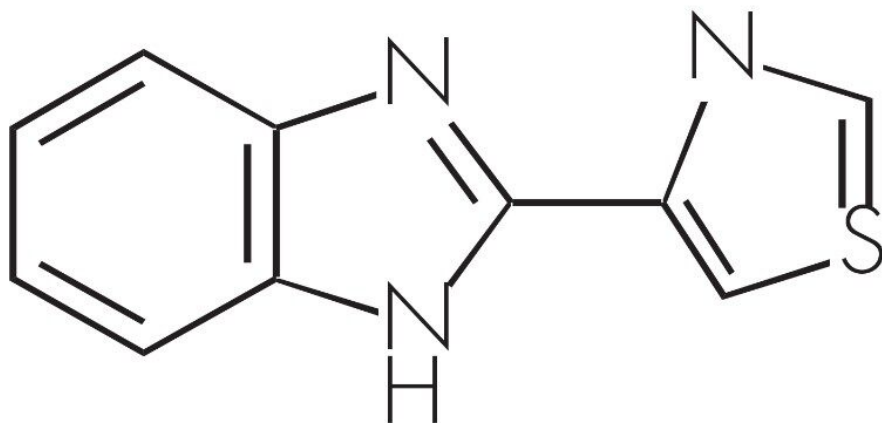
Introduction

The compounds analyzed in this study are:

1. Carbendazim
2. Thiabendazole



Carbendazim

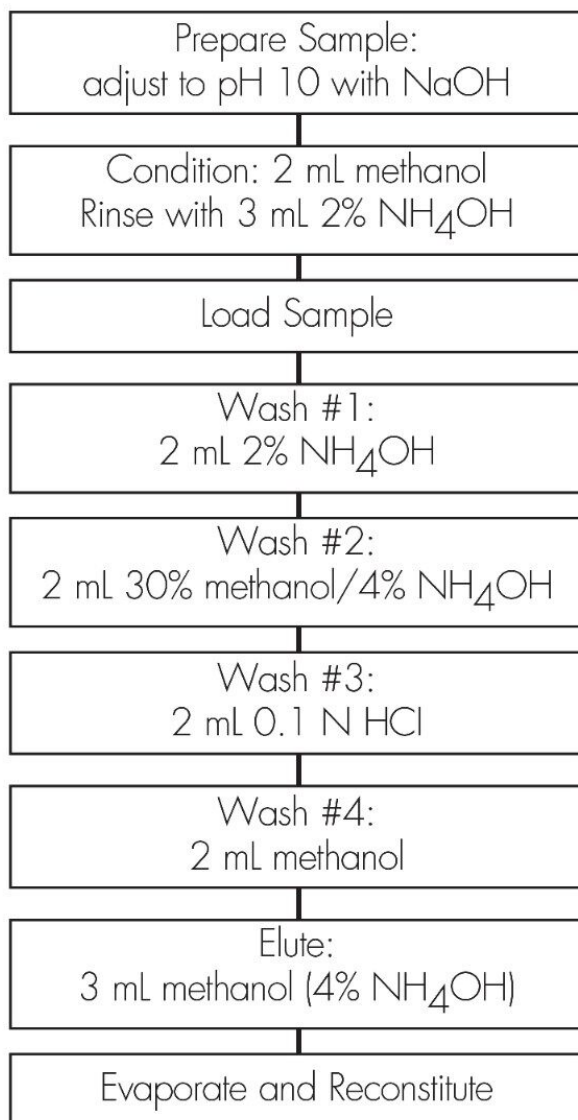


Thiabendazole

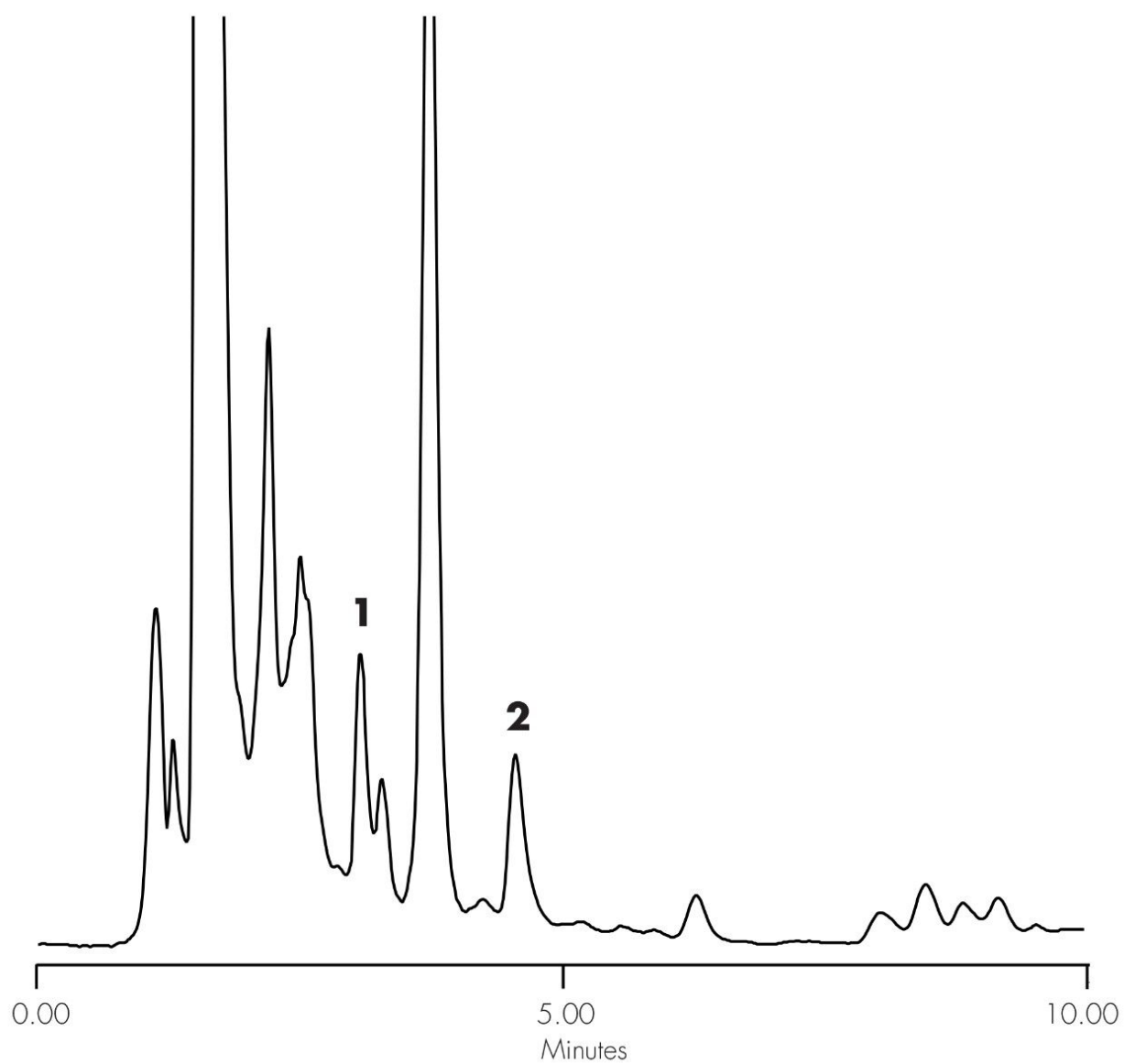
Conditions

Column:	Xterra RP ₁₈ 4.6 x 100 mm, 3.5 µm
Part number:	186000438
Mobile phase A:	20 mM Na ₂ HPO ₄ , pH 6.8
Mobile phase B:	ACN
Isocratic mobile phase composition:	72.5%A; 27.5%B
Flow rate:	1.0 mL/min
Injection volume:	20 µl
Detection:	UV @ 288 nm
Instrument:	Alliance 2695, 2996 PDA

Oasis® MCX SPE Method
Conditions for Oasis® MCX Cartridge, 6 cc, 150 mg
Part Number 186000256



Results and Discussion



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Alliance HPLC System <<https://www.waters.com/534293>>

2998 Photodiode Array (PDA) Detector <<https://www.waters.com/1001362>>

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