

Fungicides in Commercial Apple Cider- LC/UV-MS

Waters Corporation



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

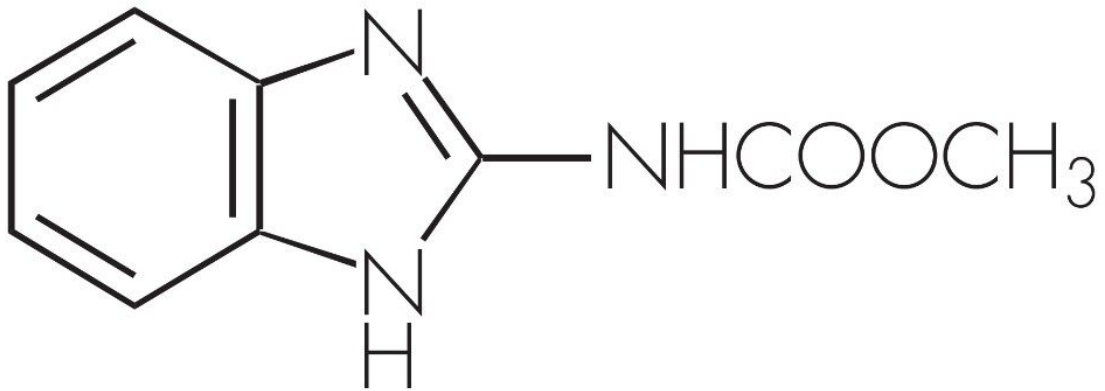
Abstract

This application brief highlights the analysis of fungicides in commercial apple cider using XTerra MS C₁₈ Columns.

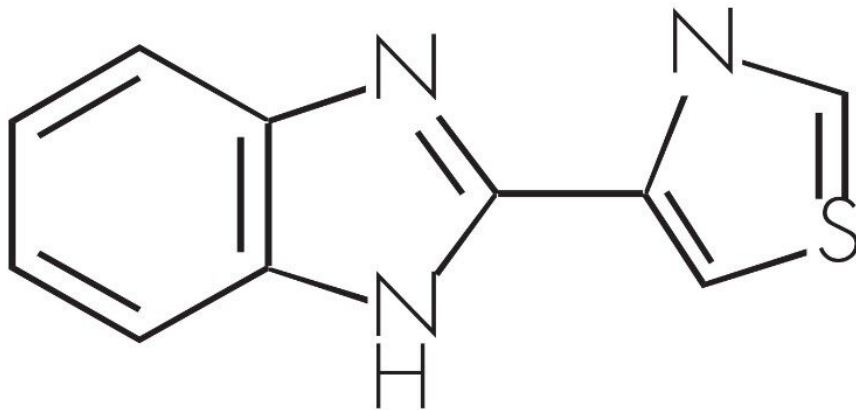
Introduction

The compounds analyzed in this study are:

1. Carbendazim 70 µg/L
2. Thiabendazole 170 µg/L

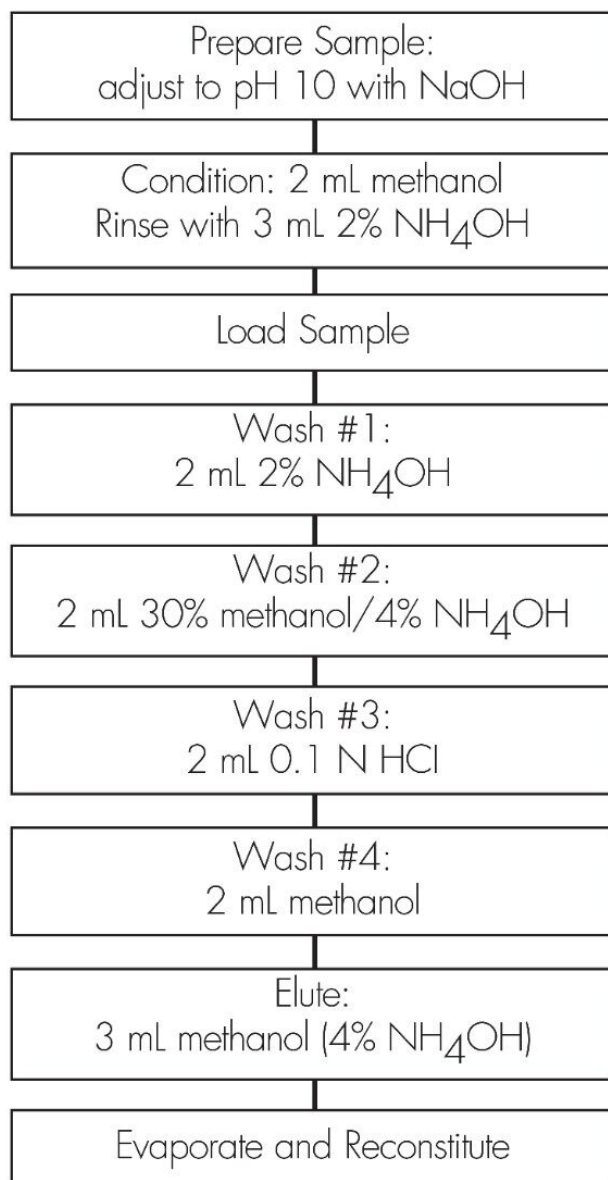


Carbendazim



Thiabendazole

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



Conditions

Column:

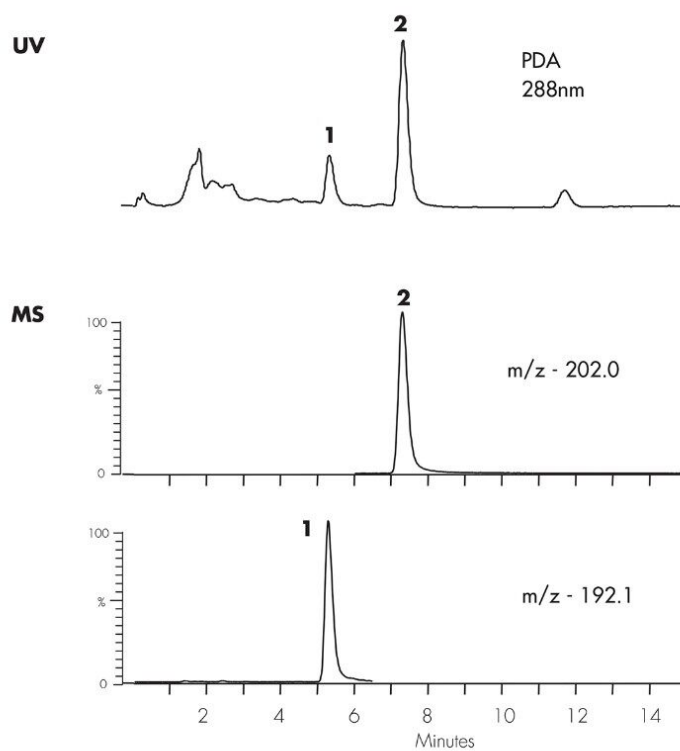
XTerra MS C₁₈ 2.1 x 100 mm, 3.5 µm

Part number:

186000404

Mobile phase A:	10 mM NH_4HCO_3 , pH 8.3
Mobile phase B:	ACN
Isocratic mobile phase composition:	80%A; 20%B
Flow rate:	0.2 mL/min, split 1:1 through each detector
Injection volume:	5 μl
Detection:	UV @ 288 nm, MS ESI+ , Multiple Selected-Ion Recording (SIR)
Instrument:	Alliance 2695, 2996 PDA, Micromass Platform LC

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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