



## Fungicides in Commercial Apple Cider- LC/UV-MS

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Waters Corporation



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

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### Abstract

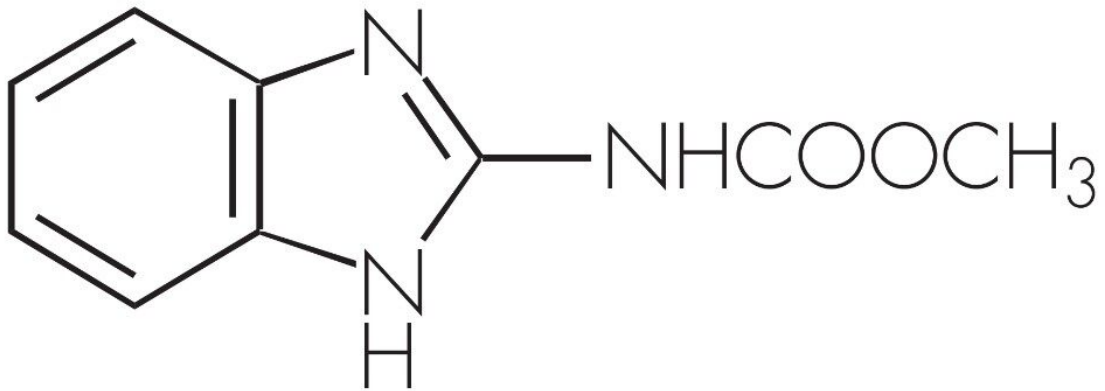
This application brief highlights the analysis of fungicides in commercial apple cider using XTerra MS C<sub>18</sub> Columns.

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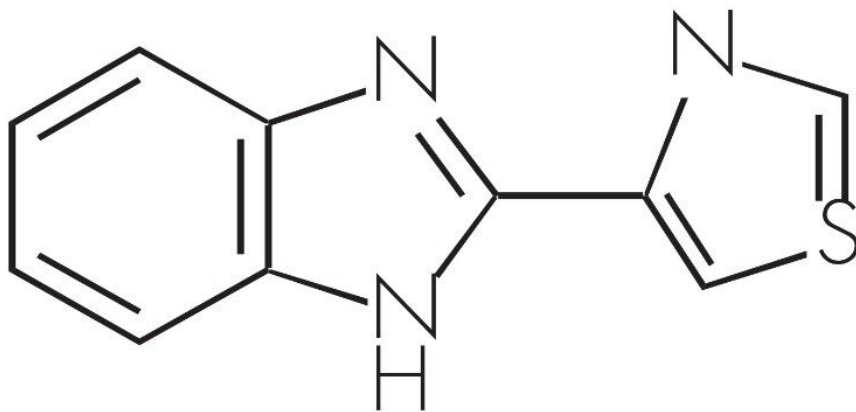
## Introduction

The compounds analyzed in this study are:

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

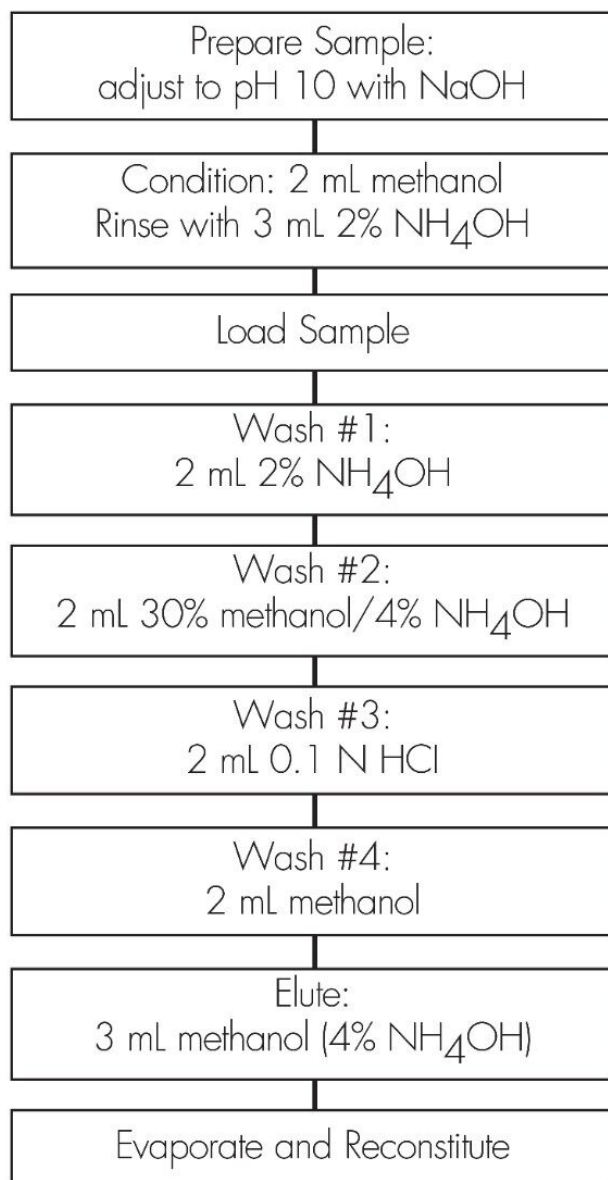


Carbendazim



Thiabendazole

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



## Conditions

Column:

XTerra MS C<sub>18</sub> 2.1 x 100 mm, 3.5 µm

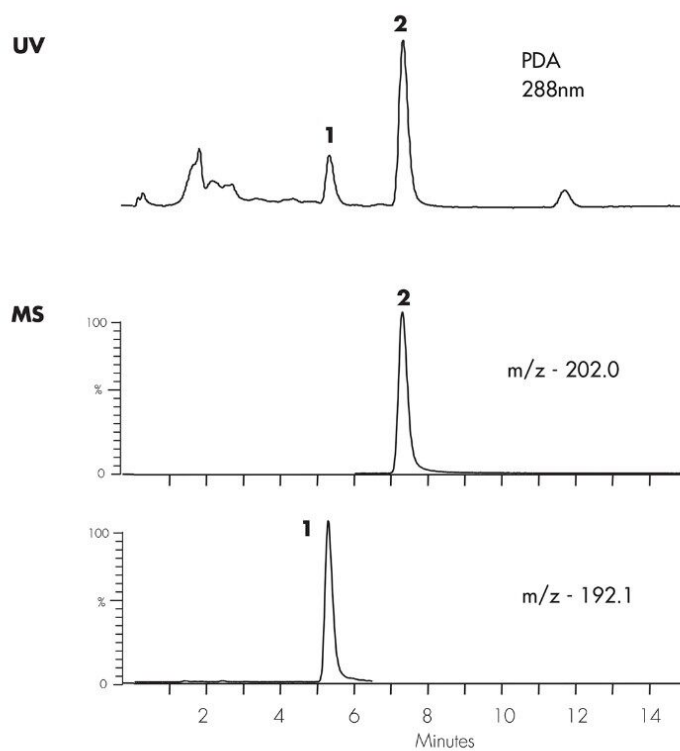
Part number:

186000404

|                                     |   |
|-------------------------------------|---|
| Mobile phase A:                     | 10 mM $\text{NH}_4\text{HCO}_3$ , 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 $\mu\text{l}$   |
| Detection:                          | UV @ 288 nm, MS ESI+<br>, Multiple Selected-Ion Recording (SIR) |
| Instrument:                         | Alliance 2695, 2996 PDA, Micromass Platform<br>LC               |

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## Results and Discussion



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## Featured Products

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

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

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