

Note d'application

## Fungicides in Orange Juice

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Waters Corporation



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

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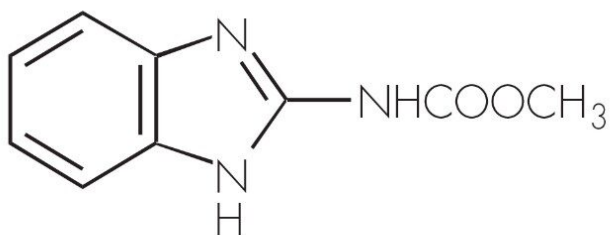
### Abstract

This application brief demonstrates analysis of fungicides in orange juice.

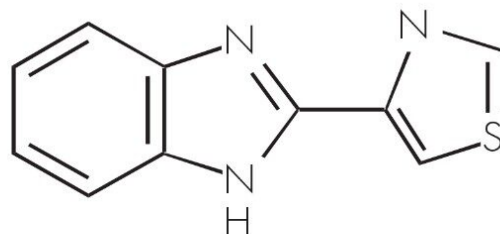
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## Introduction

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



**CARBENDAZIM**



**THIABENDAZOLE**

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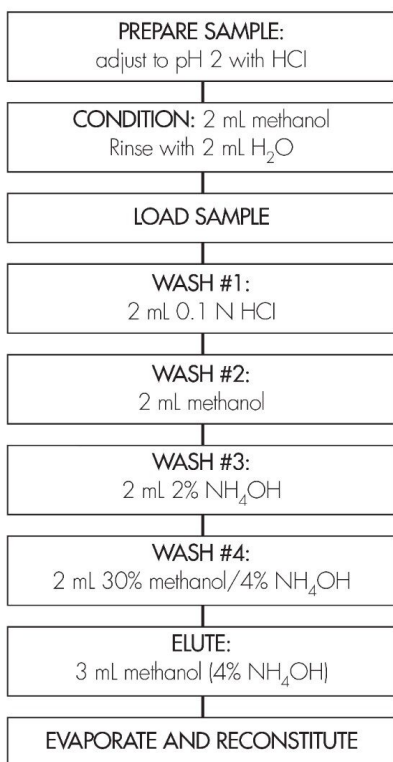
## Experimental

### LC Conditions

Column:	Xterra RP <sub>18</sub> , 4.6 x 100 mm, 3.5 $\mu\text{m}$
Part number:	186000438
Mobile phase:	72.5% $\text{KH}_2\text{PO}_4/\text{K}_2\text{HPO}_4$ (20 mM pH 6.8) 27.5% $\text{CH}_3\text{CN}$
Flow rate:	1 mL/min
Injection volume:	20 $\mu\text{L}$
Detection:	PDA (288 nm)

### OASIS® MCX SPE METHOD

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

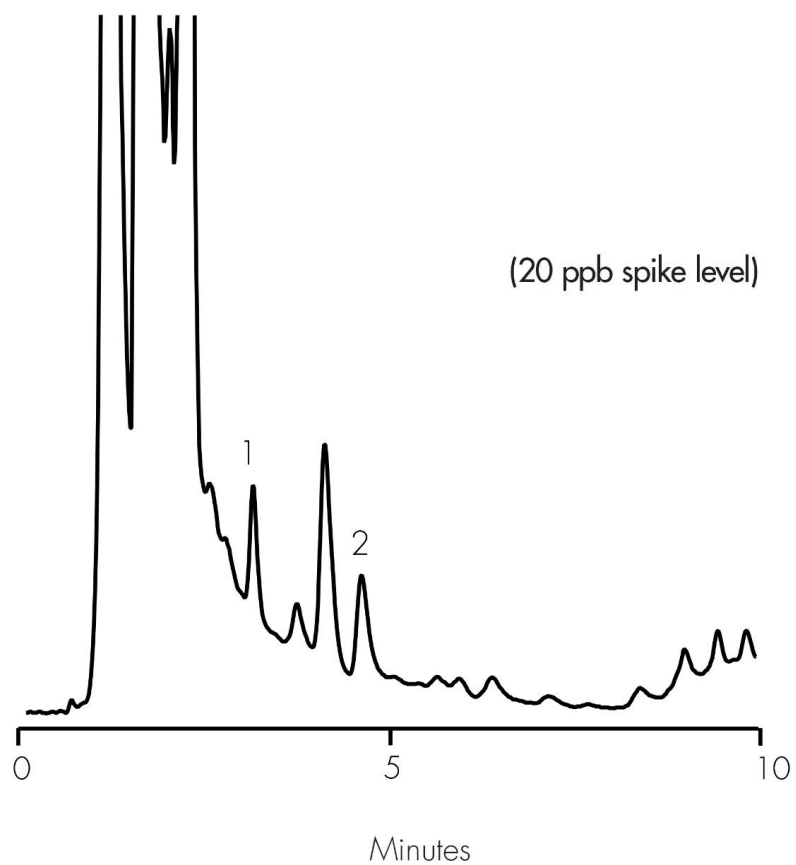


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## Results and Discussion

Compounds	%Recovery (n=4)
1. Carbendazim	91% (2% RSD)
2. Thiabendazole	94% (3% RSD)

## LC/PDA Chromatogram of Fungicides in Orange Juice



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## Featured Products

WA31764.92, June 2003

