FUNGICIDES IN APPLE JUICE

HPLC METHOD

COLUMN: XTerra® RP $_{18}$, 4.6 x 100 mm, 3.5 μm

PART NUMBER: 186000438

MOBILE PHASE: 72.5% phosphate buffer, (20 mM pH 6.8)

27.5% acetonitrile

FLOW RATE: 1.0 mL/min INJECTION VOLUME: 20 μ L DETECTION: PDA (288nm)

OASIS® MCX SPE METHOD FOR FUNGICIDES

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

PREPARE SAMPLE:		
adjust to pH 10 with NaOH		
T		
CONDITION: 2 mL methanol		
Rinse with 3 mL 2% NH ₄ OH		
4		
LOAD SAMPLE		
3.44.04.44		
WASH #1:		
2 mL 2% NH ₄ OH		
WASH #2:		
2 mL 30% methanol/4% $\mathrm{NH_4OH}$		
WASH #3:		
2 mL 0.1 N HCl		
WASH #4:		
2 mL methanol		
ELUTE:		
3 mL methanol (4% NH ₄ OH)		
EVAPORATE AND RECONSTITUTE		

	(20 ppb spike level)	
	2	
0	I 5	10
	Minutes	

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