

ACRYLAMIDE IN POTATO CHIPS

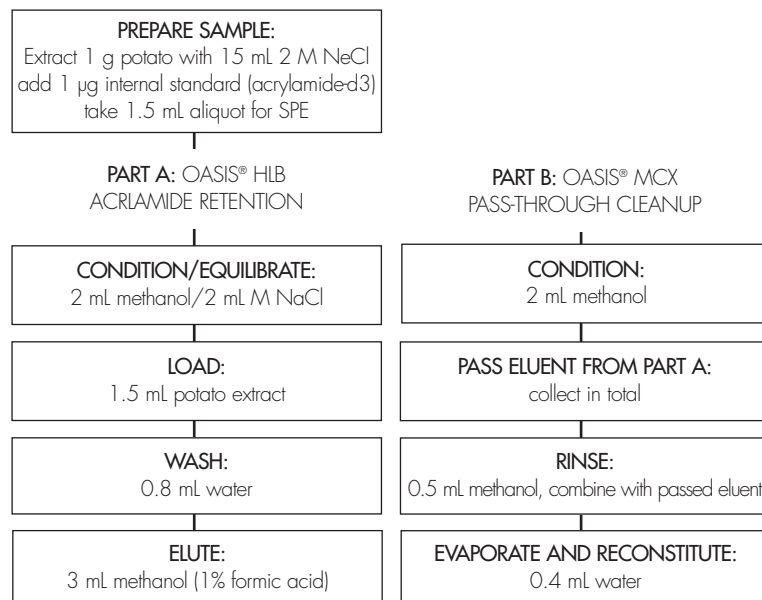
LC/MS CONDITIONS

COLUMN: Atlantis[™] dC₁₈, 2.1 x 150 mm, 5 μm
PART NUMBER: 186001297
MOBILE PHASE: 0.1% Formic Acid in water
FLOW RATE: 0.2 mL/min
INJECTION VOLUME: 20 μL
TEMPERATURE: 30 °C
INSTRUMENT: Alliance[®] 2695

INSTRUMENT: Micromass ZMD[™]
ION SOURCE: Electrospray positive
MODE: Multiple selected-ion recording
SOURCE TEMP: 150 °C
DESOLVATION TEMP: 350 °C
DESOLVATION GAS: 500 L/hr

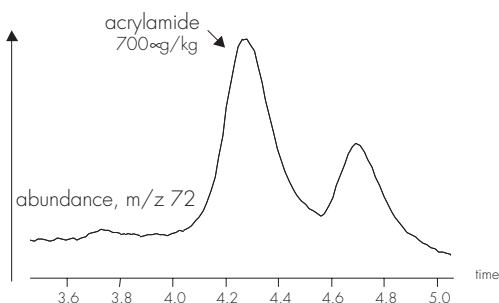
OASIS[®] EXTRACTION METHOD

Oasis[®] HLB Extraction Cartridge, 6 cc/200 mg
 Oasis[®] MCX Extraction Cartridge, 3 cc/60 mg



PROCEED TO PART B

Actual Potato Chip Sample



INTERNAL STANDARD CALCULATION (n=5)

Fortification Level (μg/kg)	Amount Found (μg/kg)	% RSD
100	96	12
200	211	8.7
500	488	5.8
1000	1010	8.0
2000	2000	6.5