

# HPLC Application

ID No.: 26534

## LC-MS/MS Pesticides (Thiobencarb ) - NY Filter in Chili Extracts for the comparison of with/without Filter Vial

**Column:** Luna® Omega 3 µm C18 100 Å, LC Column 150 x 3.0 mm, Ea

**Dimensions:** 150 x 3 mm ID

**Order No:** 00F-4784-Y0

**Elution Type:** Gradient

**Eluent A:** 0.1% Formic Acid and 10mM Ammonium Acetate in water

**Eluent B:** 0.5% Formic Acid in Methanol

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 95    | 5     |
|                   | 2        | 0.1        | 95    | 5     |
|                   | 3        | 0.5        | 40    | 60    |
|                   | 4        | 3.5        | 25    | 75    |
|                   | 5        | 8          | 15    | 85    |
|                   | 6        | 10.5       | 5     | 95    |
|                   | 7        | 12         | 5     | 95    |
|                   | 8        | 12.1       | 95    | 5     |
|                   | 9        | 18         | 95    | 5     |



Products used in this application:

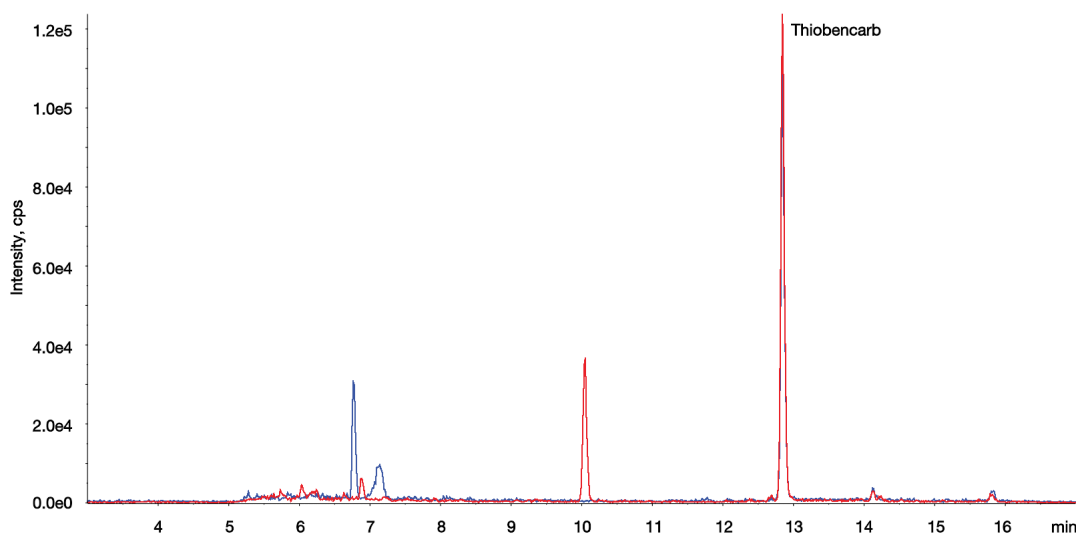


**Flow Rate:** 0.4 mL/min

**Col. Temp.:** 20 °C

**Detection:** LC/MS/MS @ (ambient)

- Analyst Note:**
- a) Prepared 1mg/mL Thiobencarb solutions with other 17 pesticide standards
  - b) Take sample to prepare a 10x Diluted mixture by placing 100uL of the existing mix into a 900uL of a 1:2 Water:Acetonitrile mix.
  - c) Place 30uL of the 10x diluted mixture into 270 uL of the chili powder supernatant.
  - d) Place 450uL of sample from step c) into the filter vial for final analysis.



## LC-MS/MS Pesticides (Thiobencarb ) - NY Filter in Chili Exacts for the comparison of with/without Filter Vial

### ANALYTES:

- 1 Thiobencarb
- 2 Thiobencarb

