



Chromegabond Ultra™ HPLC Columns

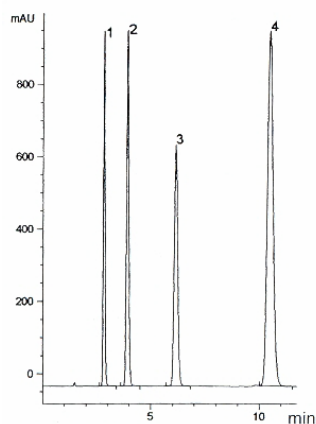
Application News

701 South Route 73 • West Berlin, New Jersey 08091-2621 • (856) 753-8400 • Fax (856) 753-8484

Chromegabond Ultra™ – The Chromegabond Ultra line *is an equivalent to the Beckman Ultrasphere® columns*. The most popular material, Ultra C18 is available in 3 μ and 5 μ sizes with bulk and preparative material also available. Excellent efficiencies, peak shape and resolution are obtained for virtually all Ultrasphere® HPLC applications.

Specifications – Surface Area: 200m²/g; Carbon: 11.9%; pH: 2 to 8

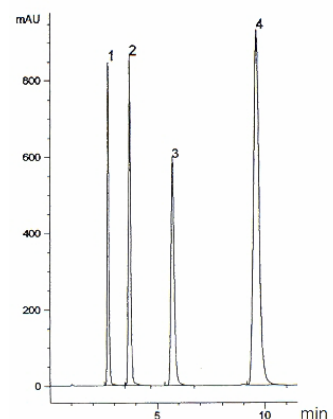
Ultrasphere C18 5 μ



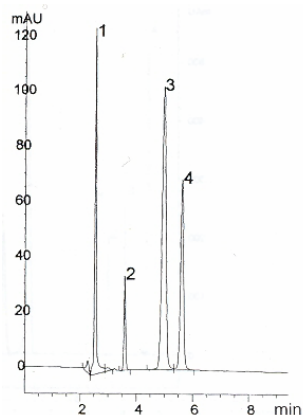
4-HYDROXYBENZOATES

Dimensions: 150 x 4.6mm
Mobile Phase: Water/Acetonitrile (40:60)
Flow Rate: 1.0 mL/min
Detection: UV @ 254nm
Sample:
1. Methyl 4-hydroxybenzoate
2. Ethyl 4-hydroxybenzoate
3. Propyl 4-hydroxybenzoate
4. Butyl 4-hydroxybenzoate

Chromegabond Ultra C18 5 μ



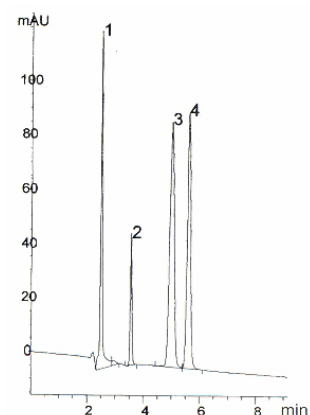
Ultrasphere C18 5 μ



POLAR COMPOUNDS

Dimensions: 250 x 4.6mm
Mobile Phase: 25mM KH₂PO₄, pH 2.5
Flow Rate: 1.0 mL/min
Temperature: 40°C
Detection: UV @ 230nm
Sample:
1. L-Cysteine
2. L-Ascorbic Acid
3. Glutathione
4. Uric Acid

Chromegabond Ultra C18 5 μ



CONDITIONS:

Column: Chromegabond Ultra C18 5micron 150 X 4.6mm

Sample: Carbamate Insecticides

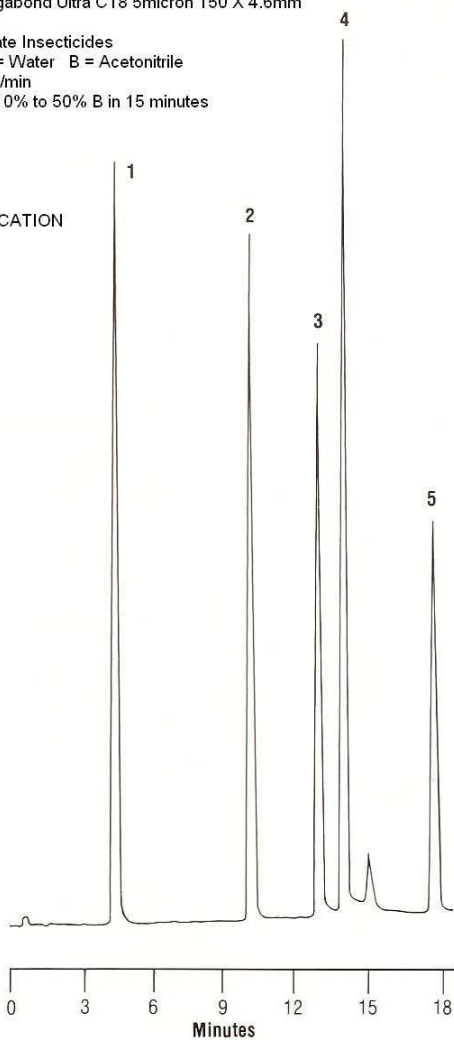
Mobile Phase: A = Water B = Acetonitrile

Flow Rate: 1.6mL/min

Gradient Profile: 10% to 50% B in 15 minutes

PEAK IDENTIFICATION

- 1. Methomyl
- 2. Aldicarb
- 3. Carbofuran
- 4. Carbaryl
- 5. Methiocarb



CONDITIONS:

Column: Ultrasphere C18 5micron 150 X 4.6mm

Sample: Carbamate Insecticides

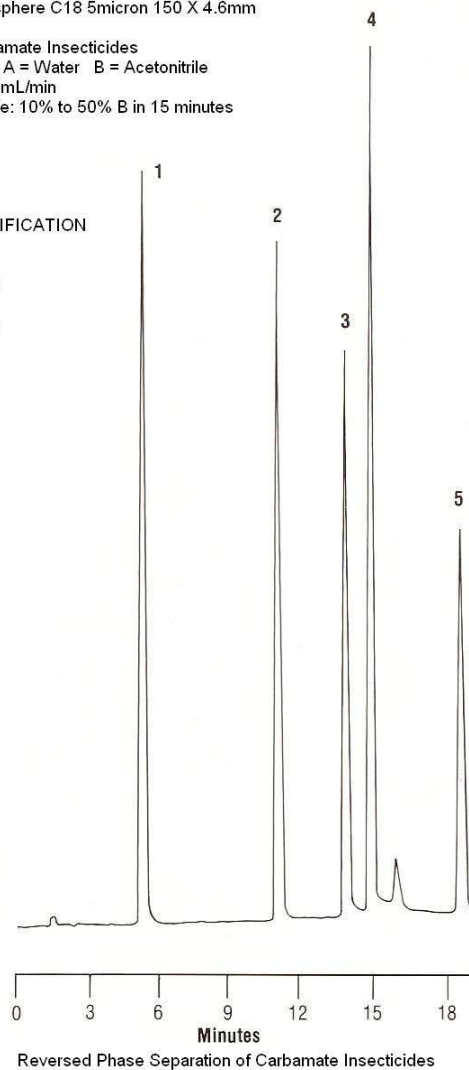
Mobile Phase: A = Water B = Acetonitrile

Flow Rate: 1.6mL/min

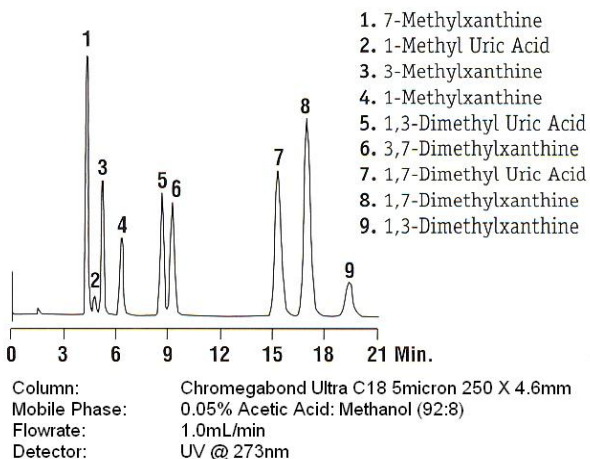
Gradient Profile: 10% to 50% B in 15 minutes

PEAK IDENTIFICATION

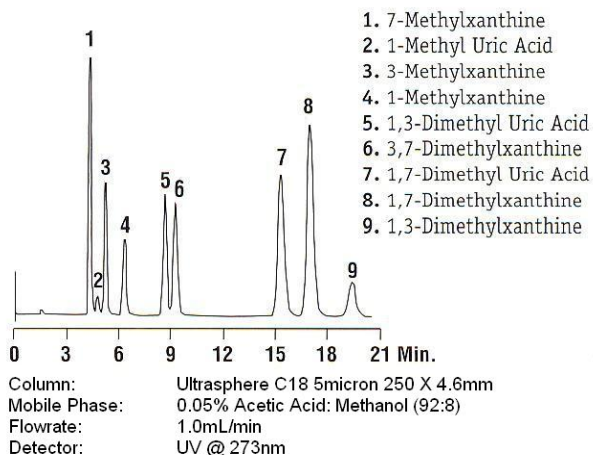
- 1. Methomyl
- 2. Aldicarb
- 3. Carbofuran
- 4. Carbaryl
- 5. Methiocarb



Caffeine Metabolites



Caffeine Metabolites



CONDITIONS:

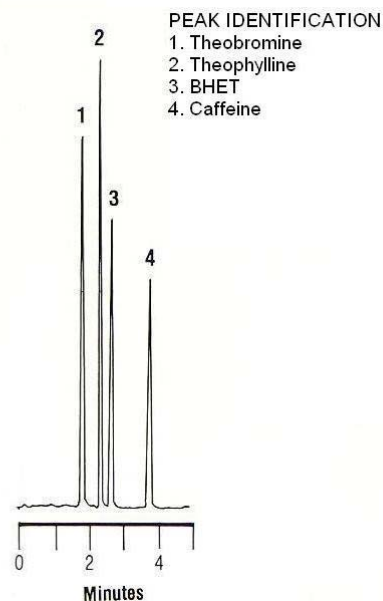
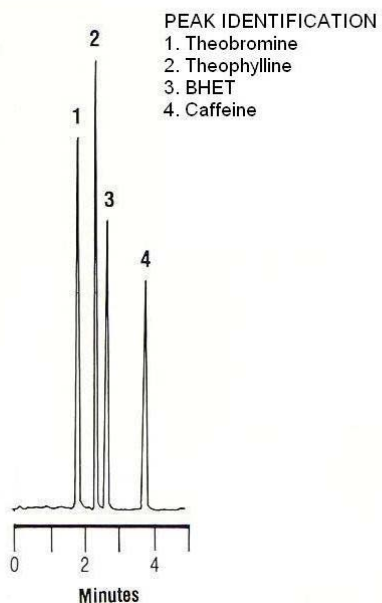
Chromegabond Ultra C18 5micron 250 X 4.6mm

Sample: Xanthines
 Detector: UV/Vis @ 254nm
 Mobile phase: 12% Acetonitrile / 1% Acetic Acid / 87% Water
 Flow Rate: 1.0mL/min

CONDITIONS:

Ultrasphere C18 5micron 250 X 4.6mm

Sample: Xanthines
 Detector: UV/Vis @ 254nm
 Mobile phase: 12% Acetonitrile / 1% Acetic Acid / 87% Water
 Flow Rate: 1.0mL/min



Chromegabond Ultra™ C18 3u 80A

	<u>4.6mm (ID)</u>	<u>2.1mm (ID)</u>
7.5cm	195171-ULC18	192171-ULC18
15cm	135171-ULC18	132171-ULC18

Chromegabond Ultra™ C18 5u 80A

	<u>4.6mm (ID)</u>	<u>2.1mm (ID)</u>	<u>9.6mm (ID)</u>
15cm	135271-ULC18	132271-ULC18	137271-ULC18
25cm	155271-ULC18	152271-ULC18	157271-ULC18

Chromegabond Ultra™ C18-Ion Pair 5u 100A

	<u>4.6mm (ID)</u>	<u>2.1mm (ID)</u>
15cm	135271-ULC18IP	132271-ULC18IP
25cm	155271-ULC18IP	152271-ULC18IP

Chromegabond Ultra™ C8 3u 80A

	<u>4.6mm (ID)</u>	<u>2.1mm (ID)</u>
7.5cm	195171-ULC8	192171-ULC8
15cm	135171-ULC8	132171-ULC8

Chromegabond Ultra™ C8 5u 80A

	<u>4.6mm (ID)</u>	<u>2.1mm (ID)</u>	<u>9.6mm (ID)</u>
15cm	135271-ULC8	132271-ULC8	137271-ULC8
25cm	155271-ULC8	152271-ULC8	157271-ULC8

Chromegabond Ultra™ Cyano 3u 80A

	<u>4.6mm (ID)</u>	<u>2.1mm (ID)</u>
7.5cm	195171-ULCN	192171-ULCN
15cm	135171-ULCN	132171-ULCN

Chromegabond Ultra™ Cyano 5u 80A

	<u>4.6mm (ID)</u>	<u>2.1mm (ID)</u>	<u>9.6mm (ID)</u>
15cm	135271-ULCN	132271-ULCN	137271-ULCN
25cm	155271-ULCN	152271-ULCN	157271-ULCN

Chromegabond Ultra™ Silica 3u 80A

	<u>4.6mm (ID)</u>	<u>2.1mm (ID)</u>
7.5cm	195171-ULSI	192171-ULSI
15cm	135171-ULSI	132171-ULSI

Chromegabond Ultra™ Silica 5u 80A

	<u>4.6mm (ID)</u>	<u>2.1mm (ID)</u>	<u>9.6mm (ID)</u>
15cm	135271-ULSI	132271-ULSI	137271-ULSI
25cm	155271-ULSI	152271-ULSI	157271-ULSI

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