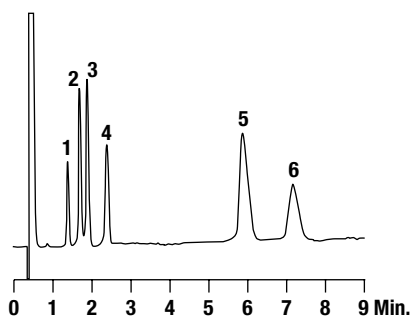


Cations

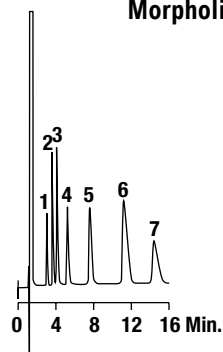
Rapid Analysis of Monovalent and Divalent Cations

CHROM
13013

1. Lithium
2. Sodium
3. Ammonium
4. Potassium
5. Magnesium
6. Calcium

Column: Alltech® Universal Cation HR, 3µm, 53 x 7.0mm (Part No. 23109)
Mobile Phase: 3mM Methanesulfonic Acid
Flow Rate: 2.5mL/min
Detector: Conductivity

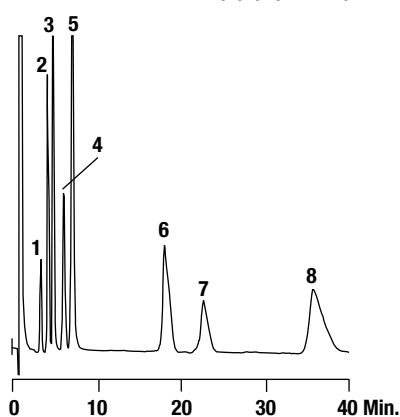
Morpholine and Group I & II Cations

CHROM
8632

1. Lithium
2. Sodium
3. Ammonium
4. Potassium
5. Morpholine
6. Magnesium
7. Calcium

Column: Alltech® Universal Cation, 7µm, 100 x 4.6mm (Part No. 27106)
Mobile Phase: 3mM Methanesulfonic Acid
Flow Rate: 1.0mL/min
Detector: Conductivity

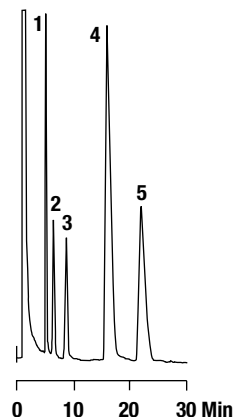
Rubidium and Barium

CHROM
6292

1. Lithium
2. Sodium
3. Ammonium
4. Potassium
5. Rubidium
6. Magnesium
7. Calcium
8. Barium

Column: Alltech® Universal Cation, 7µm, 100 x 4.6mm (Part No. 27106)
Mobile Phase: 5mM Hydrochloric Acid
Flow Rate: 1.0mL/min
Detector: Conductivity

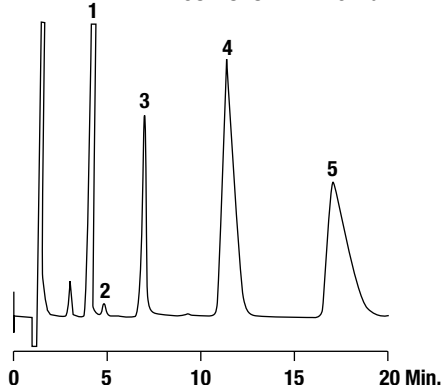
Ethanolamines

CHROM
6315

1. Monoethanolamine
2. Diethanolamine
3. Triethanolamine
4. Magnesium
5. Calcium

Column: Alltech® Universal Cation, 7µm, 100 x 4.6mm (Part No. 27106)
Mobile Phase: 5mM Hydrochloric Acid
Flow Rate: 1.0mL/min
Detector: Conductivity

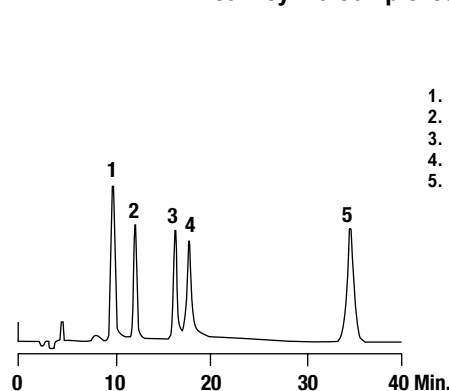
Trace Level Ammonium in Brine

CHROM
8462

1. Sodium
2. Ammonium
3. Potassium
4. Magnesium
5. Calcium

Column: Alltech® Universal Cation, 7µm, 100 x 4.6mm (Part No. 27106)
Mobile Phase: 2.5mM Oxalic Acid
Flow Rate: 1.0mL/min
Detector: Conductivity

Metal-Cyano Complexes

CHROM
5358

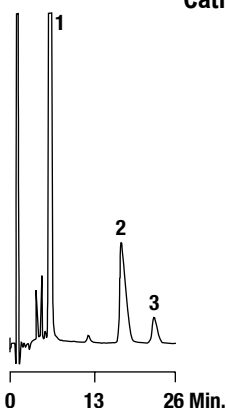
1. Fe(CN)₆⁴⁻
2. Ag(CN)₂⁻
3. Fe(CN)₆³⁻
4. Ni(CN)₄²⁻
5. Au(CN)₂⁻

Column: Alltech® Transition Metal C18, 7µm, 250 x 4.6mm (Part No. 269067)
Mobile Phase: 5mM Tetrabutylammonium Sulfate (Preformulated Alltech® Low UV IPC A, Part No. 185149) in 30% Acetonitrile
Flow Rate: 0.7mL/min
Detector: UV at 214nm

Cations

Cations in Coffee Extract

CHROM
6303

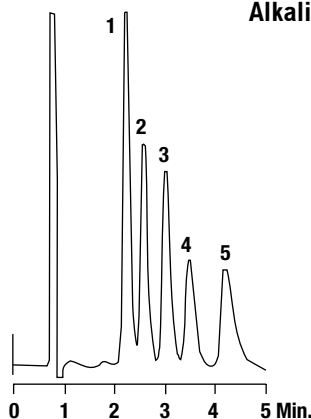


1. Potassium
2. Magnesium
3. Calcium

Column: Alltech® Universal Cation, 7µm, 100 x 4.6mm (Part No. 27106)
Mobile Phase: 5mM Hydrochloric Acid
Flow Rate: 1.0mL/min
Detector: Conductivity

Alkali Metals

CHROM
5204

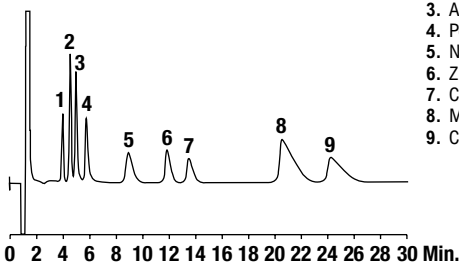


1. Lithium
2. Sodium
3. Ammonium
4. Potassium
5. Cesium

Column: Hamilton® PRP™-X200, 10µm, 150 x 4.1mm (Part No. 79441)
Mobile Phase: 4mM Nitric Acid in 30% Methanol
Flow Rate: 2.0mL/min
Detector: Conductivity

Metal Ions

CHROM
10318

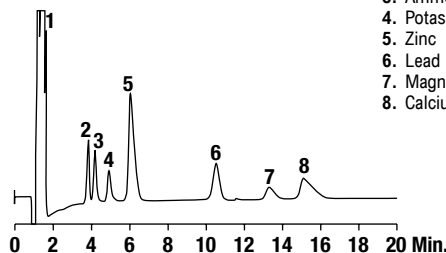


1. Lithium
2. Sodium
3. Ammonium
4. Potassium
5. Nickel
6. Zinc
7. Cobalt
8. Magnesium
9. Calcium

Column: Alltech® Universal Cation, 7µm, 100 x 4.6mm (Part No. 27106)
Mobile Phase: 2mM Tartaric Acid/1mM Oxalic Acid
Flow Rate: 1.0mL/min
Detector: Conductivity

Transition Metals

CHROM
13042

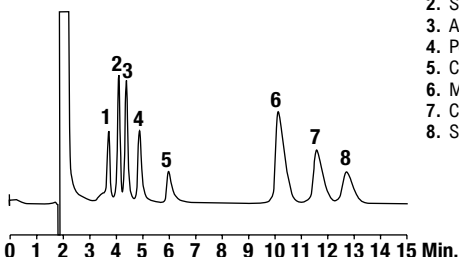


1. Copper
2. Sodium
3. Ammonium
4. Potassium
5. Zinc
6. Lead
7. Magnesium
8. Calcium

Column: Alltech® Universal Cation, 7µm, 100 x 4.6mm (Part No. 27106)
Mobile Phase: 3mM Tartaric Acid/2mM Oxalic Acid
Flow Rate: 1.0mL/min
Detector: Conductivity

Cesium and Strontium

CHROM
13035



1. Lithium
2. Sodium
3. Ammonium
4. Potassium
5. Cesium
6. Magnesium
7. Calcium
8. Strontium

Column: Alltech® Universal Cation, 7µm, 100 x 4.6mm (Part No. 27106)
Mobile Phase: 3mM Methanesulfonic Acid
Flow Rate: 1.0mL/min
Detector: Conductivity



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