SIELC

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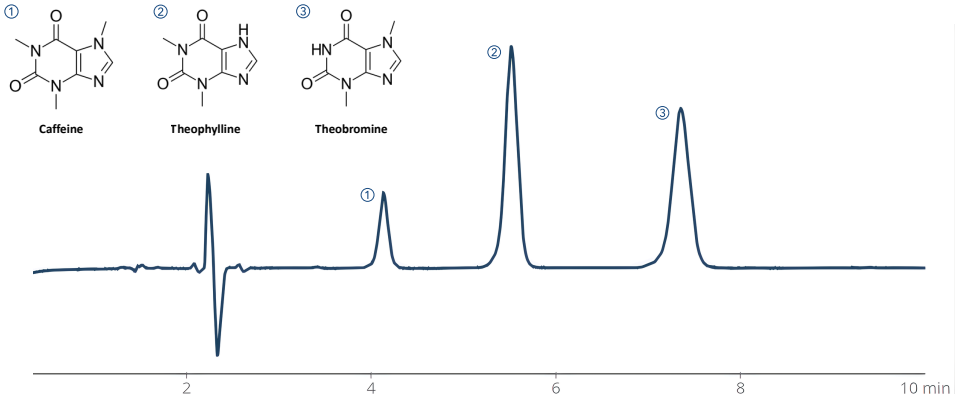
Alltesta™ Automated Analyzer Applications & Methods

REAL-WORLD SOLUTIONS FOR EVERYDAY ANALYSIS

Food & Beverage Analysis

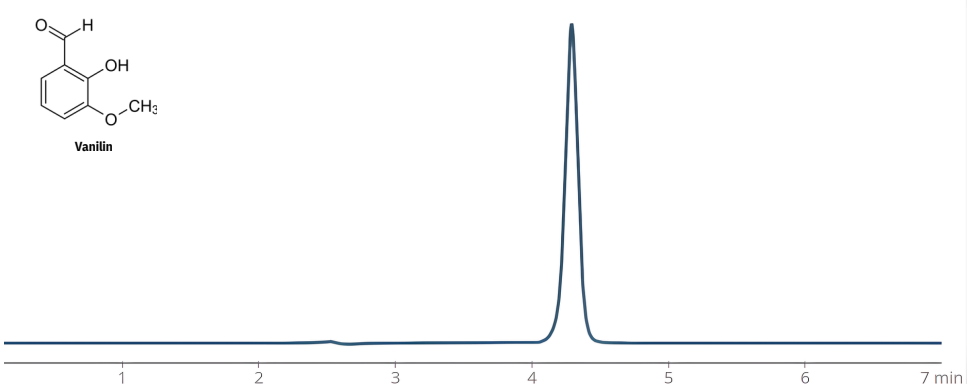
HPLC Method for Analysis of Caffeine, Theophylline and Theobromine on Primesep SB Column



CONDITIONS	
Column	**Primesep SB**
Column size	4.6 x 150 mm, 5 µm
Column part number	SB-46.150.0510
Mobile phase	EtOH – 10%
Buffer	H_3PO_4 – 0.3%
Flow rate	1.0 ml/min
Detection	275 nm

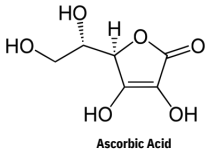
HPLC Method for Analysis of Vanillin on Primesep SB Column

CONDITIONS	
Column	**Primesep SB**
Column size	4.6 x 150 mm, 5 µm
Column part number	SB-46.150.0510
Mobile phase	MeCN – 20%
Buffer	AmFm pH 3.0- 30 mM
Flow rate	1.0 ml/min
Detection	275 nm



Food & Beverage Analysis

HPLC Method for Analysis of Ascorbic Acid on Primesep SB Column

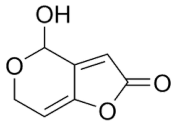


Ascorbic Acid

CONDITIONS	
Column	**Primesep SB**
Column size	4.6 x 150 mm, 5 µm
Column part number	SB-46.150.0510
Mobile phase	MeCN – 50%
Buffer	H_3PO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm

HPLC Method for Analysis of Patulin on Newcrom R1 Column

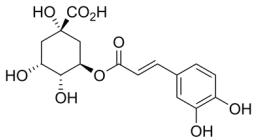
CONDITIONS	
Column	**Newcrom R1**
Column size	3.2 x 150 mm, 5 µm
Column part number	NR1-32.150.0510
Mobile phase	MeCN – 10%
Buffer	H_3PO_4 – 0.1%
Flow rate	0.5 ml/min
Detection	275 nm



Patulin

Food & Beverage Analysis

HPLC Method for Analysis of Chlorogenic Acid on Chromni™ Column

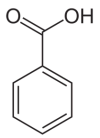


Chlorogenic Acid

CONDITIONS	
Column	**Chromni™**
Column size	4.6 x 150 mm, 5 µm
Column part number	CHR-46.150.0510
Mobile phase	MeCN – 80%
Buffer	N/A
Flow rate	1.0 ml/min
Detection	275 nm

HPLC Method for Analysis of Benzoic Acid on Newcrom BH Column

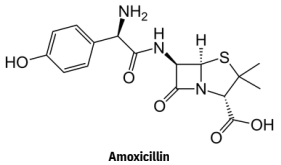
CONDITIONS	
Column	**Newcrom BH**
Column size	3.2 x 100 mm, 5 µm
Column part number	NBH-32.100.0510
Mobile phase	MeCN – 80%
Buffer	H_2SO_4 – 0.2%
Flow rate	0.5 ml/min
Detection	275 nm



Benzoic Acid

Pharmaceuticals

HPLC Method for Analysis of Amoxicillin on Primesep 100 Column

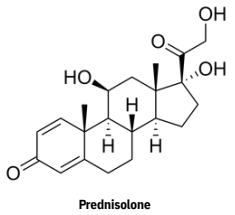


Amoxicillin

CONDITIONS	
Column	**Primesep 100**
Column size	3.2 x 150 mm, 5 µm
Column part number	100-32.150.0510
Mobile phase	MeCN – 50%
Buffer	H_2SO_4 – 0.1%
Flow rate	0.5 ml/min
Detection	275 nm

HPLC Method for Analysis of Prednisolone on Primesep 100 Column

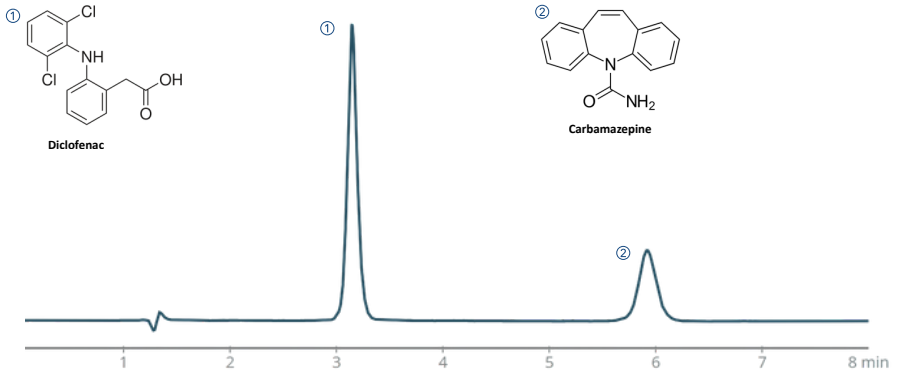
CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 50%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm



Prednisolone

Pharmaceuticals

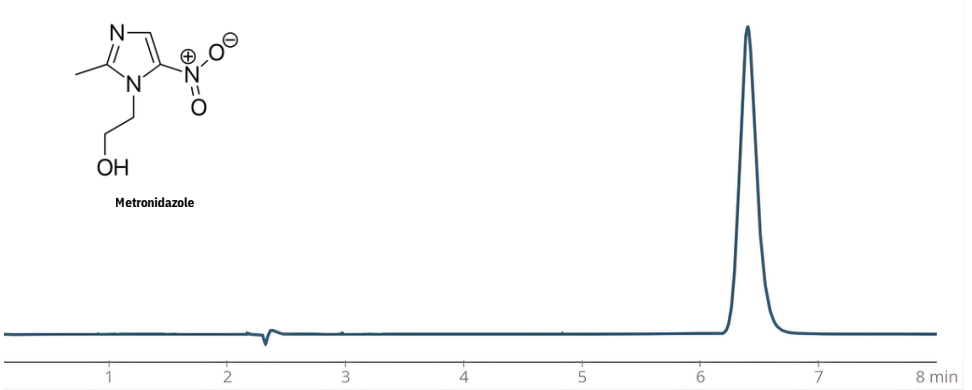
HPLC Method for Analysis of Diclofenac and Carbamazepine on Primesep 100 Colu



CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 35%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm

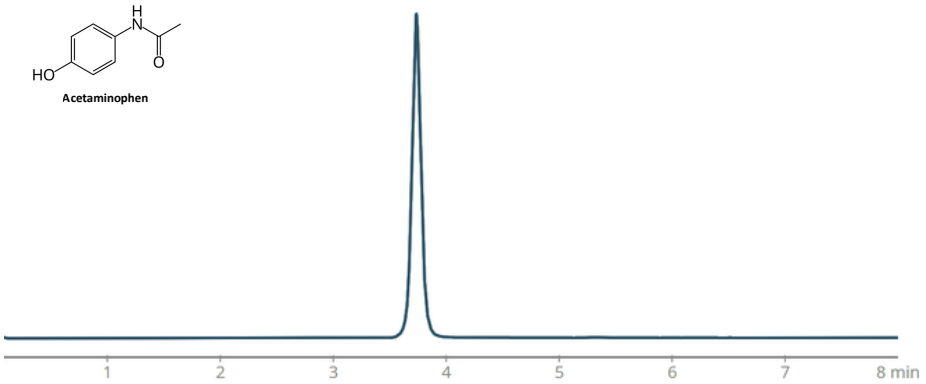
HPLC Method for Analysis of Metronidazole on Newcrom R1 Column

CONDITIONS	
Column	**Newcrom R1**
Column size	4.6 x 150 mm, 5 µm
Column part number	NR1-46.150.0510
Mobile phase	MeCN – 5%
Buffer	H_3PO_4 – 0.1%
Flow rate	1.0 ml/min
Detection	275 nm



Pharmaceuticals

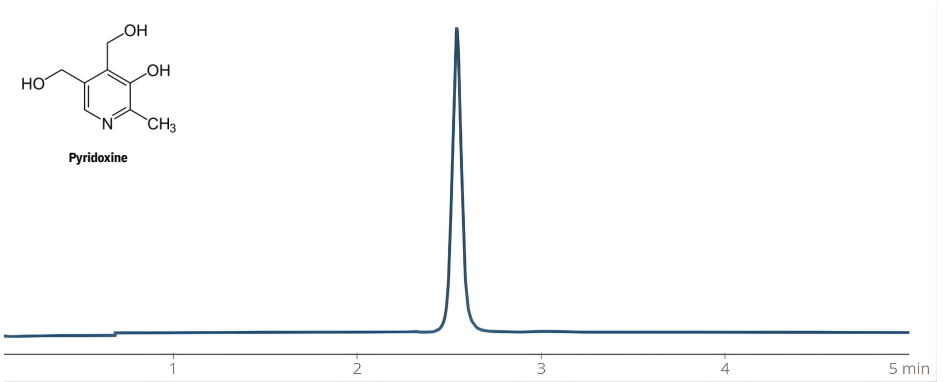
HPLC Method for Analysis of Acetaminophen on Primesep 100 Column



CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 10%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm

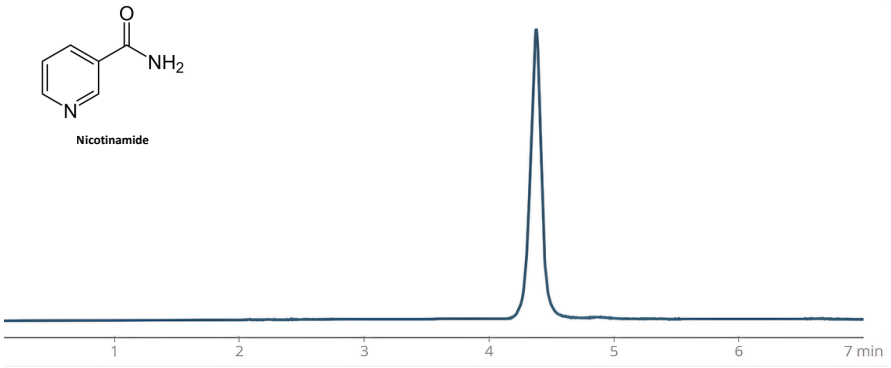
HPLC Method for Analysis of Pyridoxine on Primesep 100 Column

CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 50%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm



Pharmaceuticals

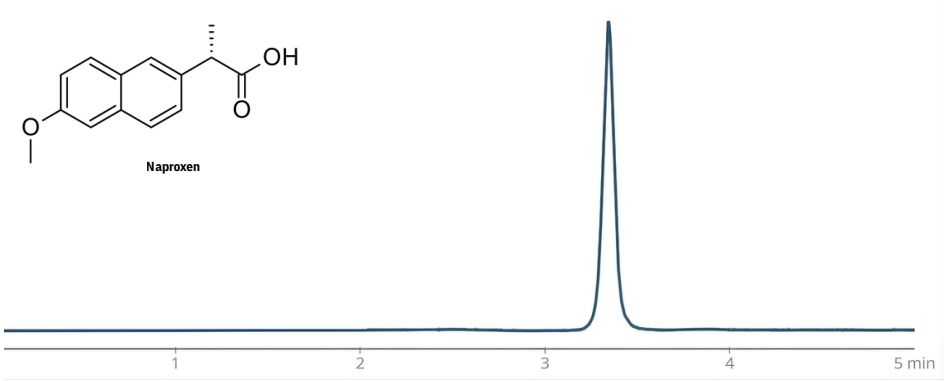
HPLC Method for Analysis of Nicotinamide on Primesep 100 Column



CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 50%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm

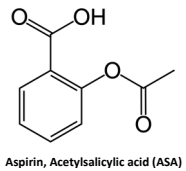
HPLC Method for Analysis of Naproxen on Primesep 100 Column

CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 55%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm



Pharmaceuticals

HPLC Method for Analysis of Aspirin, Acetylsalicylic acid (ASA) on Primesep 100 Co

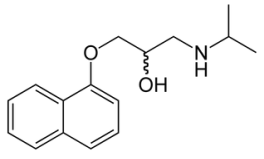


Aspirin, Acetylsalicylic acid (ASA)

CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 50%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm

HPLC Method for Analysis of Propranolol on Primesep 100 Column

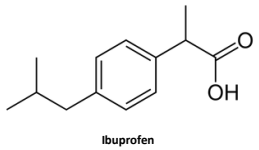
CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 70%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm



Propranolol

Pharmaceuticals

HPLC Method for Analysis of Ibuprofen on Primesep 100 Column

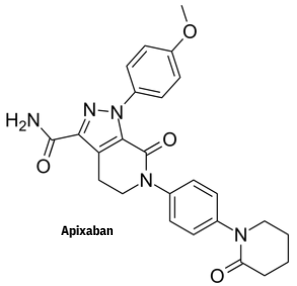


Ibuprofen

CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 50%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm

HPLC Method for Analysis of Apixaban on Primesep B Column

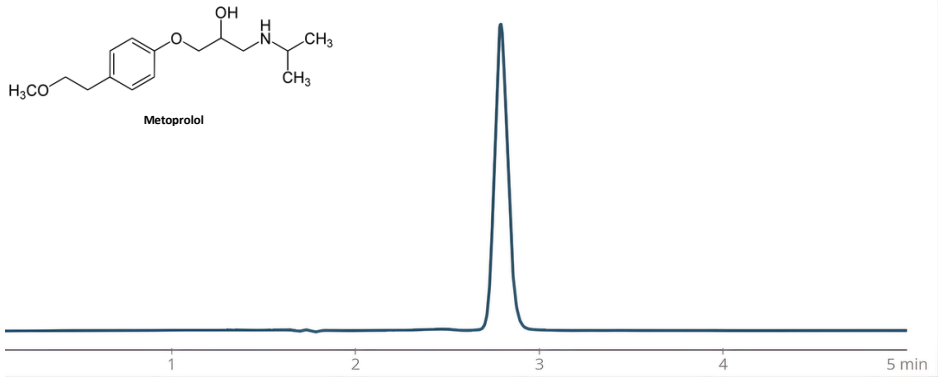
CONDITIONS	
Column	**Primesep B**
Column size	4.6 x 150 mm, 5 µm
Column part number	B-46.150.0510
Mobile phase	MeCN – 30%
Buffer	AmFm pH 3.0- 20 mM
Flow rate	1.0 ml/min
Detection	275 nm



Apixaban

Pharmaceuticals

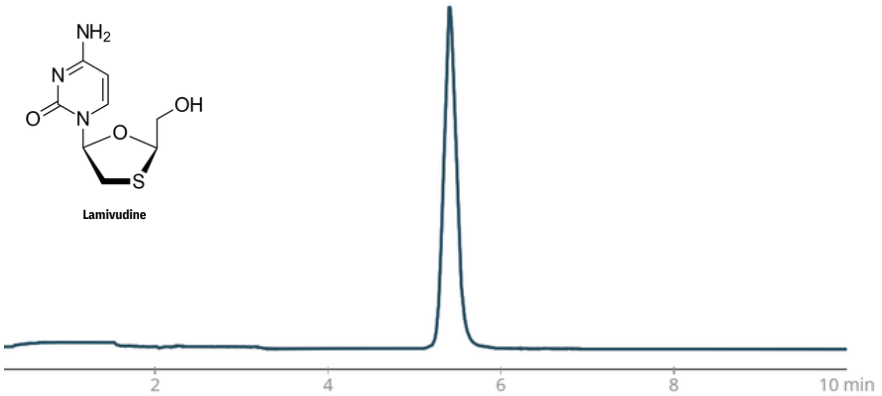
HPLC Method for Analysis of Metoprolol on Primesep 200 Column



CONDITIONS	
Column	**Primesep 200**
Column size	4.6 x 150 mm, 5 µm
Column part number	200-46.150.0510
Mobile phase	MeCN – 50%
Buffer	H_3PO_4 – 0.5%
Flow rate	1.0 ml/min
Detection	275 nm

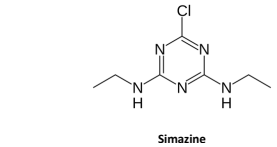
Analysis of Lamivudine on Primesep 100 Column

CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 50%
Buffer	AmFm pH 3.0- 20 mM
Flow rate	1.0 ml/min
Detection	275 nm



Environmental Analysis

HPLC Method for Analysis of Simazine on Primesep 100 Column on Alltesta™

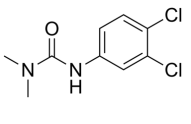


Simazine

CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 50%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm

HPLC Method for Analysis of Diuron on Primesep 100 Column

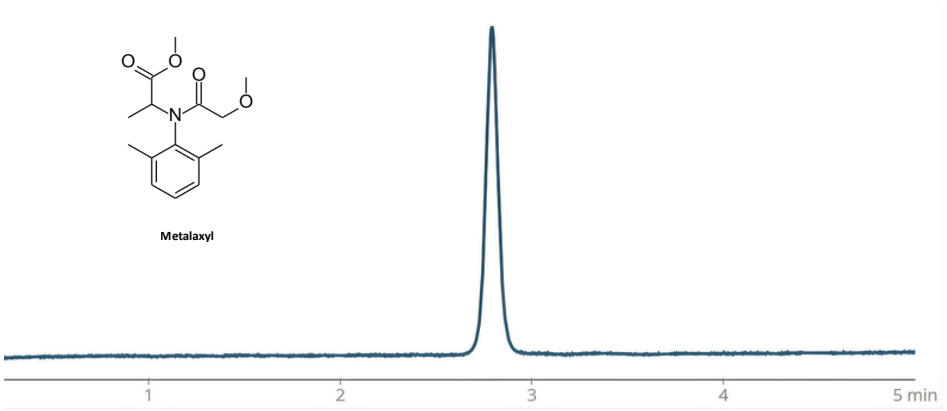
CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 50%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm



Diuron

Environmental Analysis

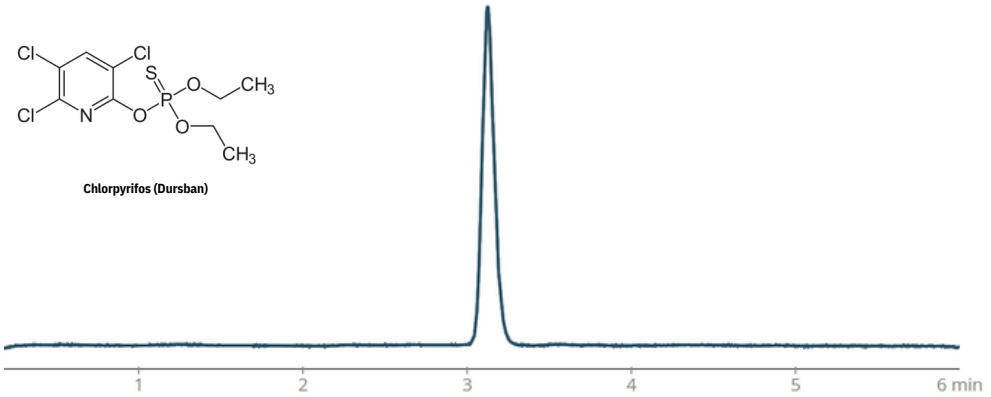
HPLC Method for Analysis of Metalaxyl on Newcrom B Column



CONDITIONS	
Column	Newcrom B
Column size	4.6 x 150 mm, 5 µm
Column part number	NB-46.150.0510
Mobile phase	MeCN – 50%
Buffer	AmFm pH 3.0- 20 mM
Flow rate	1.0 ml/min
Detection	275 nm

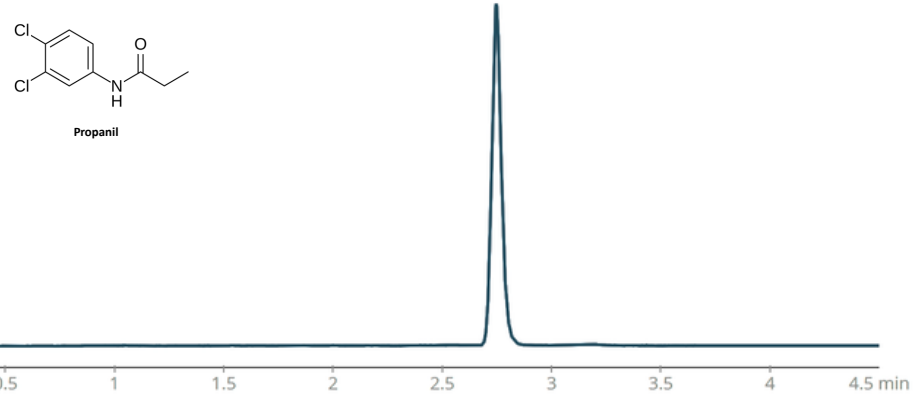
HPLC Method for Analysis of Chlorpyrifos (Dursban) on Newcrom B

CONDITIONS	
Column	Newcrom B
Column size	4.6 x 150 mm, 5 µm
Column part number	NB-46.150.0510
Mobile phase	MeCN – 70%
Buffer	AmFm pH 3.0- 20 mM
Flow rate	1.0 ml/min
Detection	275 nm



Environmental Analysis

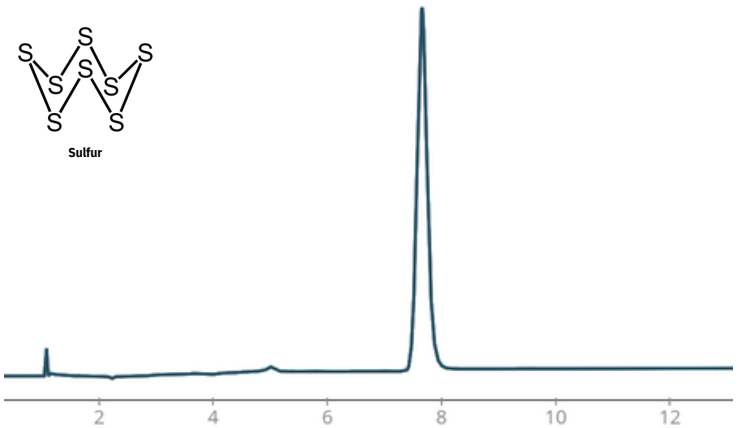
HPLC Method for Analysis of Propanil on Newcrom B Column



CONDITIONS	
Column	**Newcrom B**
Column size	4.6 x 150 mm, 5 µm
Column part number	NB-46.150.0510
Mobile phase	MeCN – 70%
Buffer	AmFm pH 3.0- 20 mM
Flow rate	1.0 ml/min
Detection	275 nm

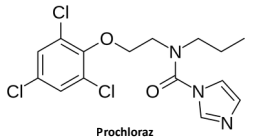
HPLC Method for Analysis of Sulfur on Newcrom R1 Column

CONDITIONS	
Column	**Newcrom R1**
Column size	3.2 x 150 mm, 5 µm
Column part number	NR1-32.150.0510
Mobile phase	MeCN – 100%
Buffer	N/A
Flow rate	0.5 ml/min
Detection	275 nm



Pesticides&Agrochemicas

HPLC Method for Analysis of Prochloraz on Newcrom B Column

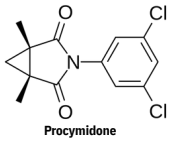


Prochloraz

CONDITIONS	
Column	**Newcrom B**
Column size	4.6 x 150 mm, 5 µm
Column part number	NB-46.150.0510
Mobile phase	MeCN – 50%
Buffer	AmFm pH 3.0- 20 mM
Flow rate	1.0 ml/min
Detection	275 nm

HPLC Method for Analysis of Procymidone on Newcrom B Column

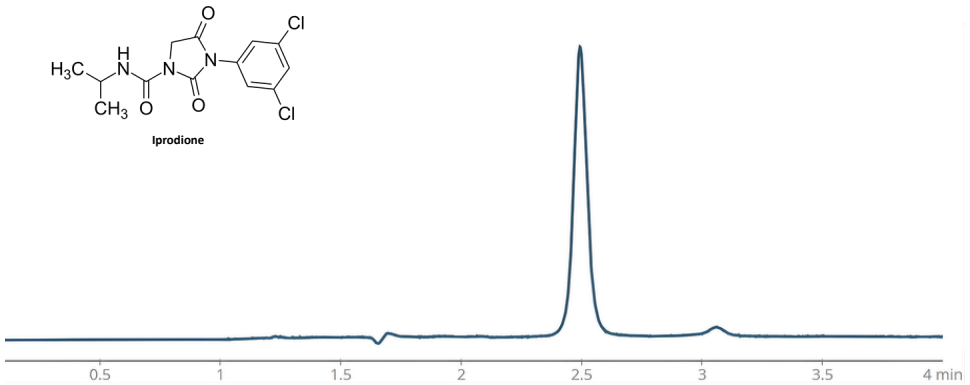
CONDITIONS	
Column	**Newcrom B**
Column size	4.6 x 150 mm, 5 µm
Column part number	NB-46.150.0510
Mobile phase	MeCN – 70%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm



Procymidone

Pesticides&Agrochemicas

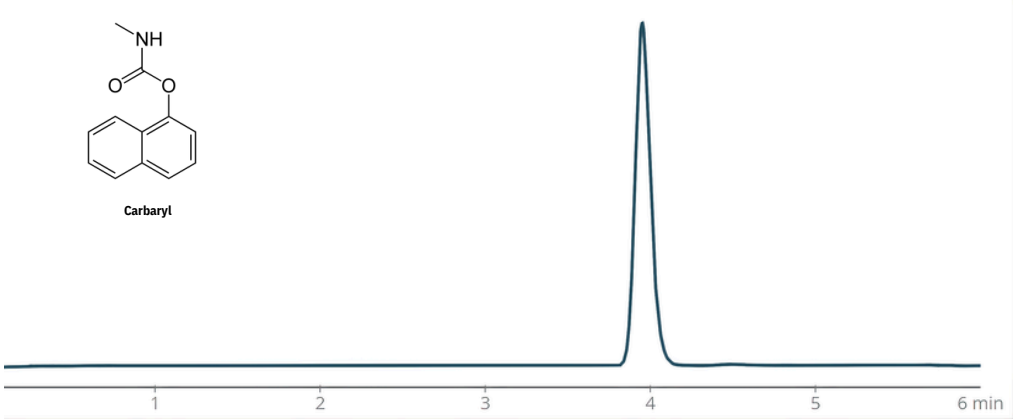
HPLC Method for Analysis of Iprodione on Newcrom B Column



CONDITIONS	
Column	**Newcrom B**
Column size	4.6 x 150 mm, 5 µm
Column part number	NB-46.150.0510
Mobile phase	MeCN – 70%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm

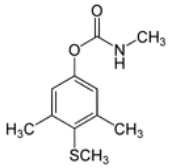
HPLC Method for Analysis of Carbaryl on Newcrom B Column

CONDITIONS	
Column	**Newcrom B**
Column size	4.6 x 150 mm, 5 µm
Column part number	NB-46.150.0510
Mobile phase	MeCN – 50%
Buffer	AmFm pH 3.0- 20 mM
Flow rate	1.0 ml/min
Detection	275 nm



Pesticides&Agrochemicas

HPLC Method for Analysis of Methiocarb on Newcrom B Column

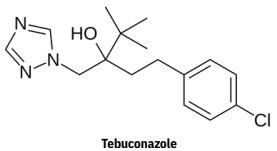


Methiocarb

CONDITIONS	
Column	**Newcrom B**
Column size	4.6 x 150 mm, 5 µm
Column part number	NB-46.150.0510
Mobile phase	MeCN – 50%
Buffer	AmFm pH 3.0- 20 mM
Flow rate	1.0 ml/min
Detection	275 nm

HPLC Method for Analysis of Tebuconazole on Newcrom B

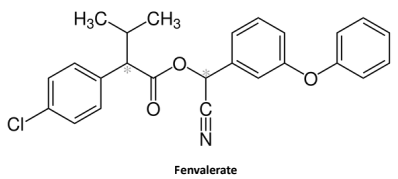
CONDITIONS	
Column	**Newcrom B**
Column size	4.6 x 150 mm, 5 µm
Column part number	NB-46.150.0510
Mobile phase	MeCN – 50%
Buffer	AmFm pH 3.0- 20 mM
Flow rate	1.0 ml/min
Detection	275 nm



Tebuconazole

Pesticides&Agrochemicas

HPLC Method for Analysis of Fenvalerate on Newcrom B Column

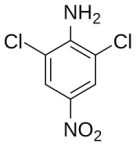


Fenvalerate

CONDITIONS	
Column	Newcrom B
Column size	4.6 x 150 mm, 5 µm
Column part number	NB-46.150.0510
Mobile phase	MeCN – 70%
Buffer	AmFm pH 3.0- 20 mM
Flow rate	1.0 ml/min
Detection	275 nm

HPLC Method for Analysis of Dichloran on Obelisc R Column

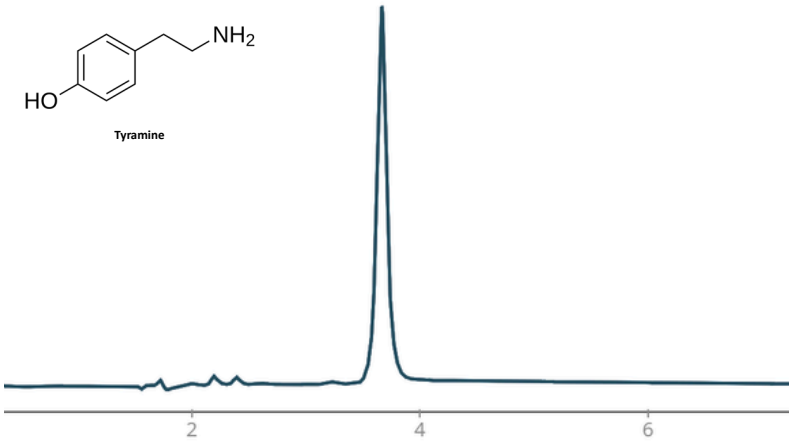
CONDITIONS	
Column	Obelisc R
Column size	2.1×150 mm, 5 µm
Column part number	OR-21.150.0510
Mobile phase	MeCN – 50%
Buffer	AmFm pH 3.0- 20 mM
Flow rate	0.3 ml/min
Detection	275 nm



Dichloran

Biomolecules&Metabolites

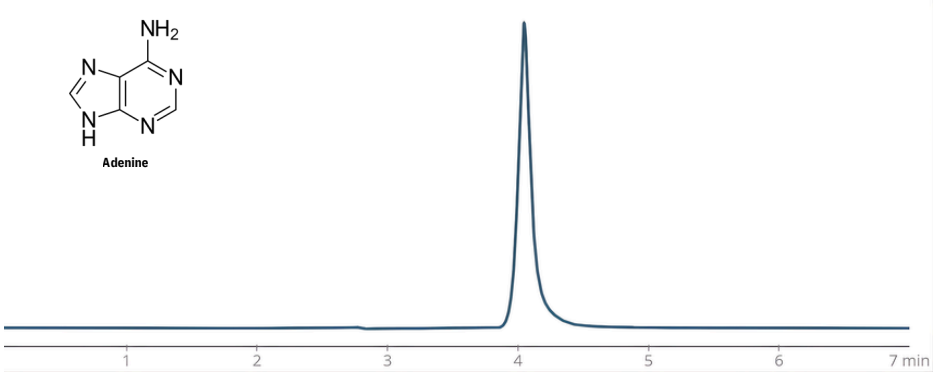
HPLC Method for Analysis of Tyramine on Primesep 100 Column



CONDITIONS	
Column	**Primesep 100**
Column size	3.2 x 150 mm, 5 µm
Column part number	100-32.150.0510
Mobile phase	MeCN – 50%
Buffer	H_2SO_4 – 0.2%
Flow rate	0.5 ml/min
Detection	275 nm

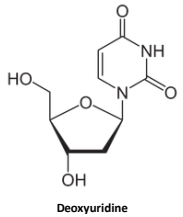
HPLC Method for Analysis of Adenine on Primesep 100 Column

CONDITIONS	
Column	**Primesep 100**
Column size	3.2 x 150 mm, 5 µm
Column part number	100-32.150.0510
Mobile phase	MeCN – 50%
Buffer	H_2SO_4 – 0.1%
Flow rate	0.5 ml/min
Detection	275 nm



Biomolecules&Metabolites

HPLC Method for Analysis of Deoxyuridine on Chromni™ Column

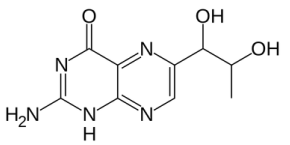


Deoxyuridine

CONDITIONS	
Column	**Chromni™**
Column size	4.6 x 150 mm, 5 µm
Column part number	CHR-46.150.0510
Mobile phase	MeCN – 90%
Buffer	AmFm pH 3.0- 30 mM
Flow rate	1.0 ml/min
Detection	275 nm

HPLC Method for Analysis of Biopterin on Primesep 100 Column

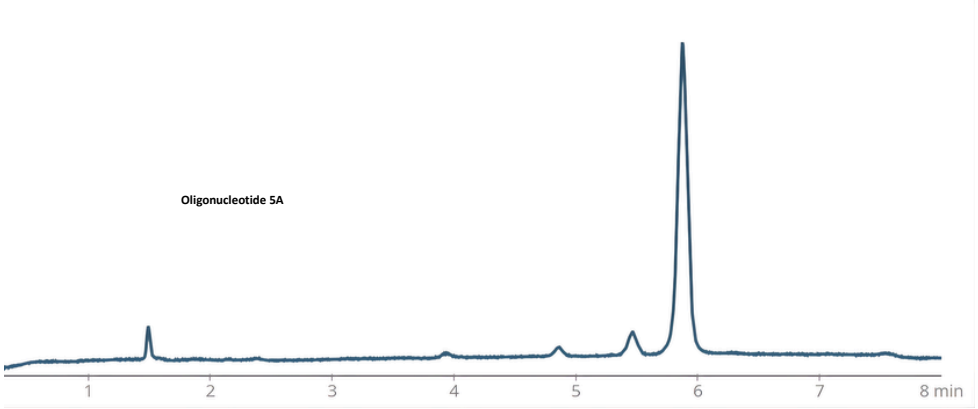
CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 5%
Buffer	AmFm pH 3.0- 20 mM
Flow rate	1.0 ml/min
Detection	275 nm



Biopterin

Biomolecules&Metabolites

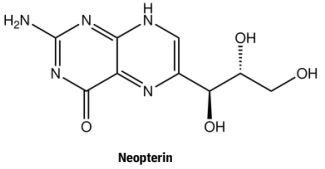
HPLC Method for Analysis of Oligonucleotide 5A on Chromni™ Column



CONDITIONS	
Column	**Chromni™**
Column size	4.6 x 150 mm, 5 µm
Column part number	CHR-46.150.0510
Mobile phase	Gradient MeCN/H2O – 80/20% -> 60/40% in 9 min
Buffer	AmFm pH 4.0- 20 mM
Flow rate	1.0 ml/min
Detection	275 nm

HPLC Method for Analysis of Neopterin on Primesep 100 Column

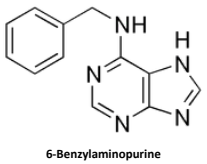
CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 5%
Buffer	AmFm pH 3.0- 20 mM
Flow rate	1.0 ml/min
Detection	275 nm



Neopterin

Plant Growth Regulators

HPLC Method for Analysis of 6-Benzylaminopurine on Newcrom R1 Column

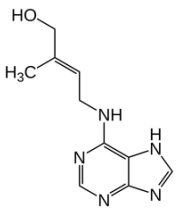


6-Benzylaminopurine

CONDITIONS	
Column	**Newcrom R1**
Column size	4.6 x 150 mm, 5 µm
Column part number	NR1-46.150.0510
Mobile phase	MeCN – 50%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm

HPLC Method for Analysis of trans-Zeatin on Primesep 100 Column

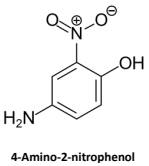
CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 40%
Buffer	H_2SO_4 – 0.1%
Flow rate	1.0 ml/min
Detection	275 nm



trans-Zeatin

Plant Growth Regulators

HPLC Method for Analysis of 4-Amino-2-nitrophenol on Primesep 100 Column

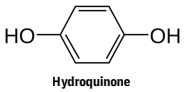


4-Amino-2-nitrophenol

CONDITIONS	
Column	**Primesep 100**
Column size	3. x 150 mm, 5 µm
Column part number	100-32.150.0510
Mobile phase	MeCN – 50%
Buffer	H_2SO_4 – 0.2%
Flow rate	0.5 ml/min
Detection	275 nm

HPLC Method for Analysis of Hydroquinone on Primesep 100 Column

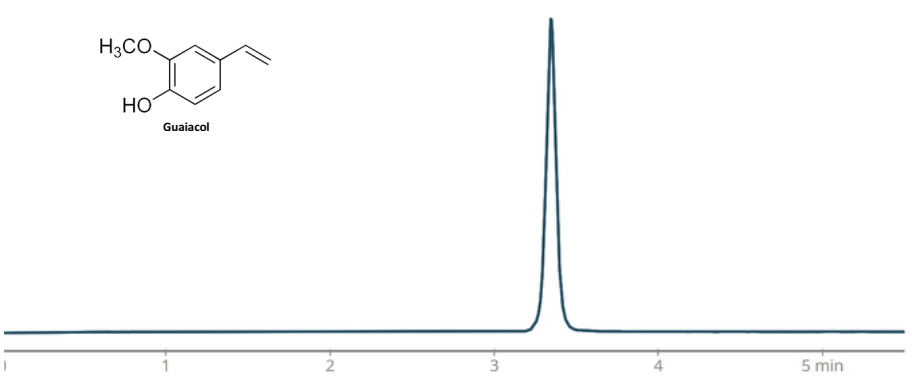
CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 70%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm



Hydroquinone

Plant Growth Regulators

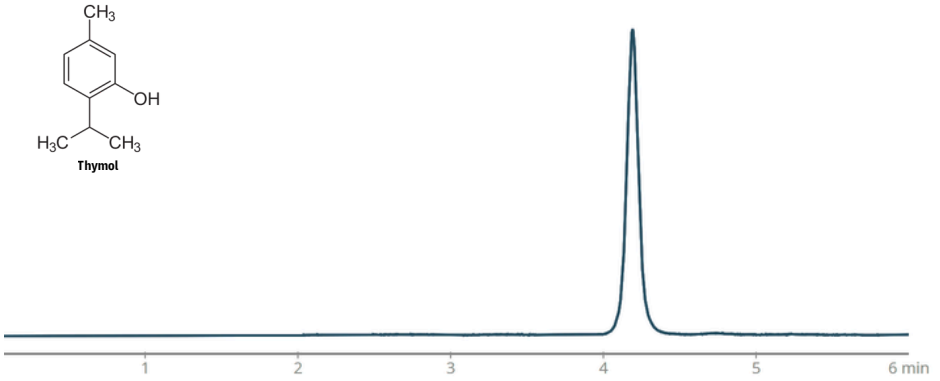
HPLC Method for Guaiacol on Primesep 100 Column



CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 40%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm

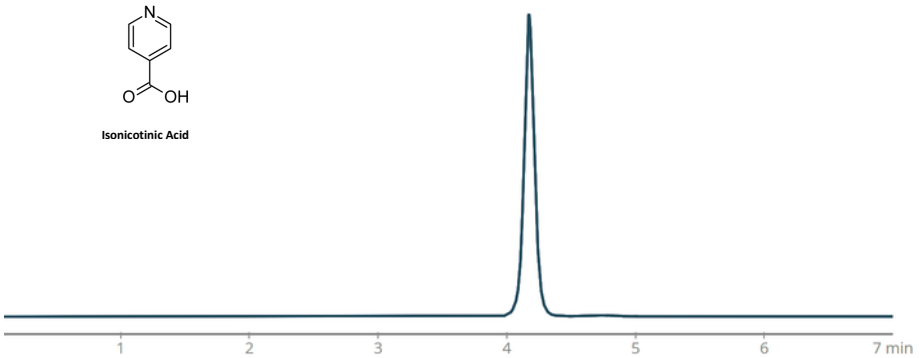
HPLC Method for Analysis of Thymol on Primesep 100 Column

CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 55%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm



Organic Acids

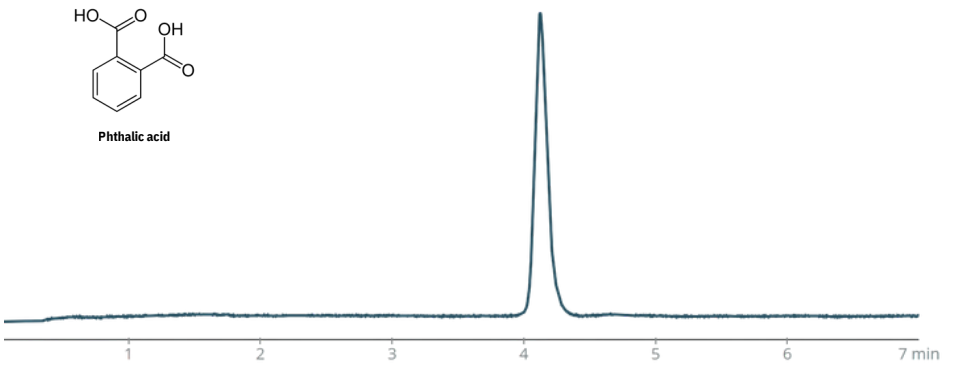
HPLC Method for Analysis of Isonicotinic Acid on Primesep 100 Column



CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 30%
Buffer	H_2SO_4 – 0.1%
Flow rate	1.0 ml/min
Detection	275 nm

HPLC Method for Analysis of Phthalic acid on Primesep 100 Column

CONDITIONS	
Column	**Primesep 100**
Column size	4.6 x 150 mm, 5 µm
Column part number	100-46.150.0510
Mobile phase	MeCN – 50%
Buffer	H_2SO_4 – 0.2%
Flow rate	1.0 ml/min
Detection	275 nm



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