Table Of Contents

C_{18} DVB

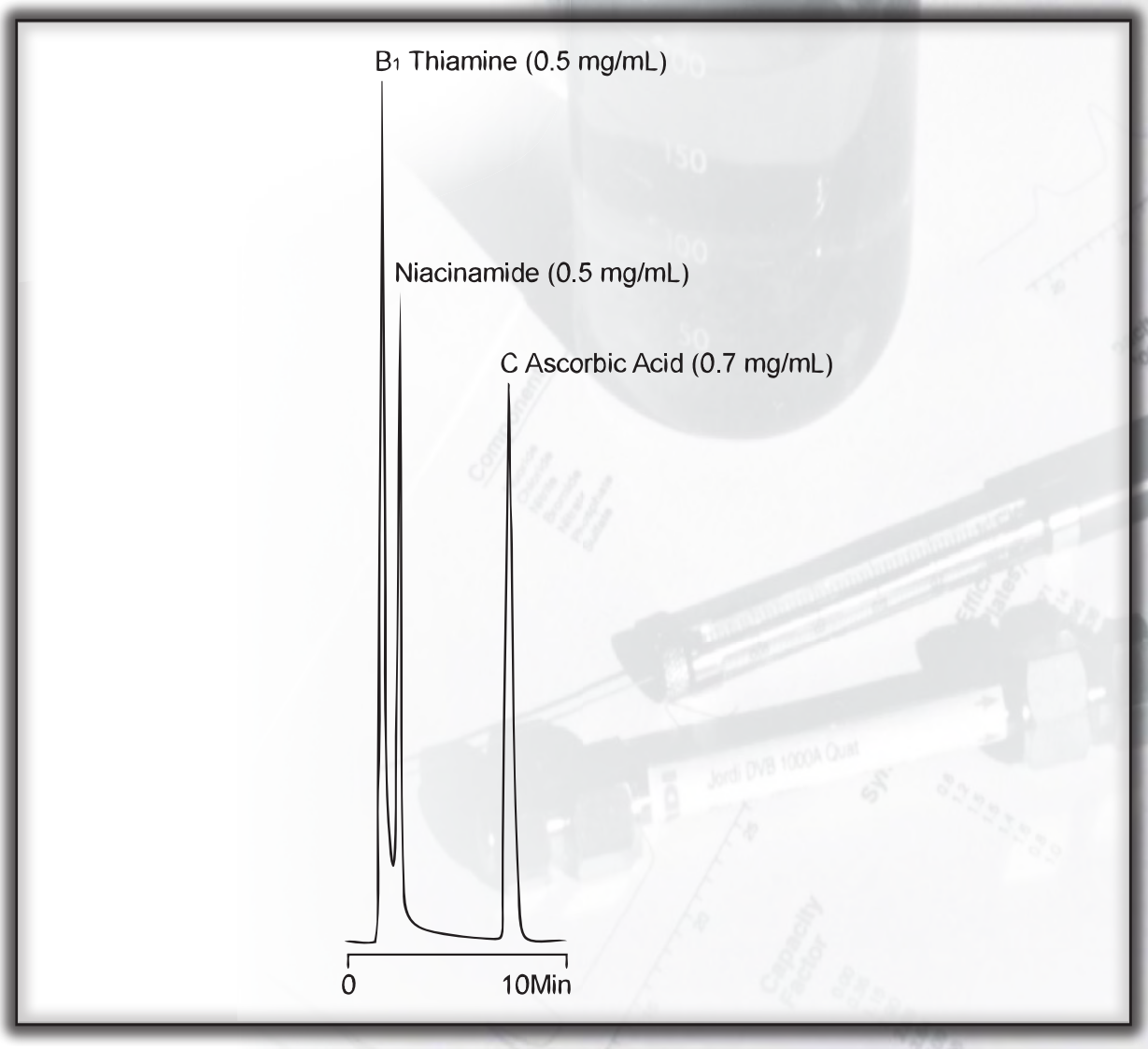
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

WATER SOLUBLE VITAMINS

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**50/40/10 H_2O/ACN/MeOH pH 4.0 w/ CH_3COOH**
Flow Rate:	**0.7mL/min.**
Injection:	**15µL**
Temperature:	**25°C**
Detector:	**UV @246nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

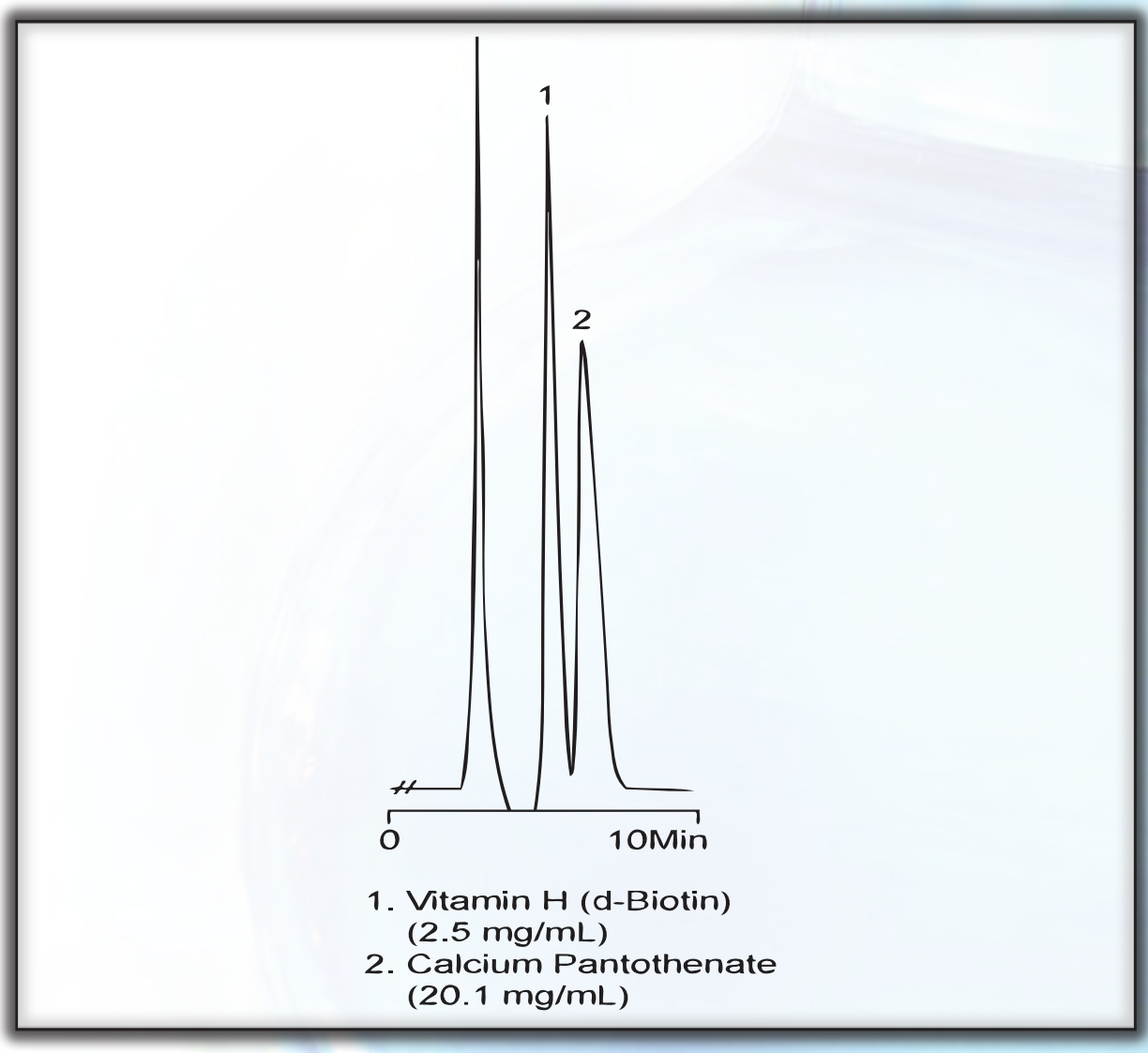
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

WATER SOLUBLE VITAMINS

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**50/40/10 H_2O/ACN/MeOH pH 4.0 w/ CH_3COOH**
Flow Rate:	**0.7mL/min.**
Injection:	**15µL**
Temperature:	**25°C**
Detector:	**UV @206nm**



1. Vitamin H (d-Biotin) (2.5 mg/mL)
2. Calcium Pantothenate (20.1 mg/mL)

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

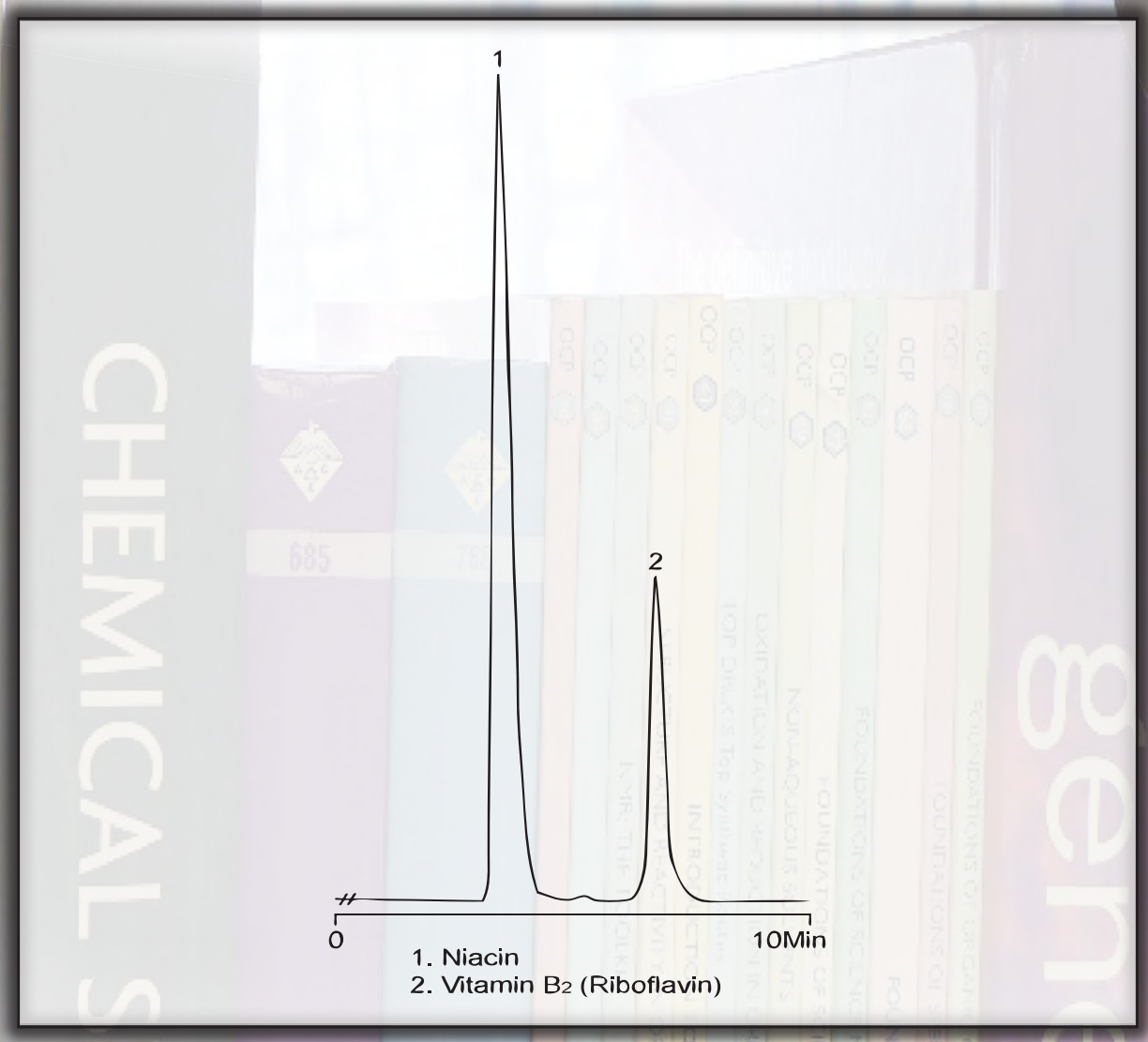
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

WATER SOLUBLE VITAMINS

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**70/30 H_2O/ACN w/ 0.1% TFA**
Flow Rate:	**0.7mL/min.**
Injection:	**20µL**
Temperature:	**25°C**
Detector:	**UV @268nm**



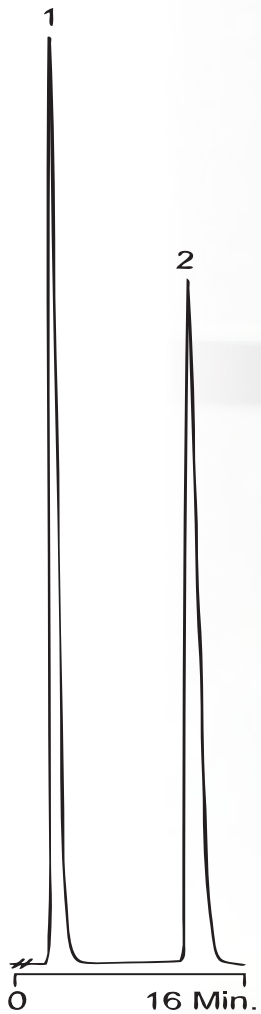
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

WATER SOLUBLE VITAMINS

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**50/40/10 H_2O/ACN/MeOH pH 4.0 w/CH_3COOH**
Flow Rate:	**0.7mL/min.**
Injection:	**20µL**
Temperature:	**25°C**
Detector:	**UV @245nm**



1. Vitamin B_{12} (1.2mg/mL) (Cyanocobalamin)

2. Vitamin C (4.5mg/mL) (Sodium Ascorbate)

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

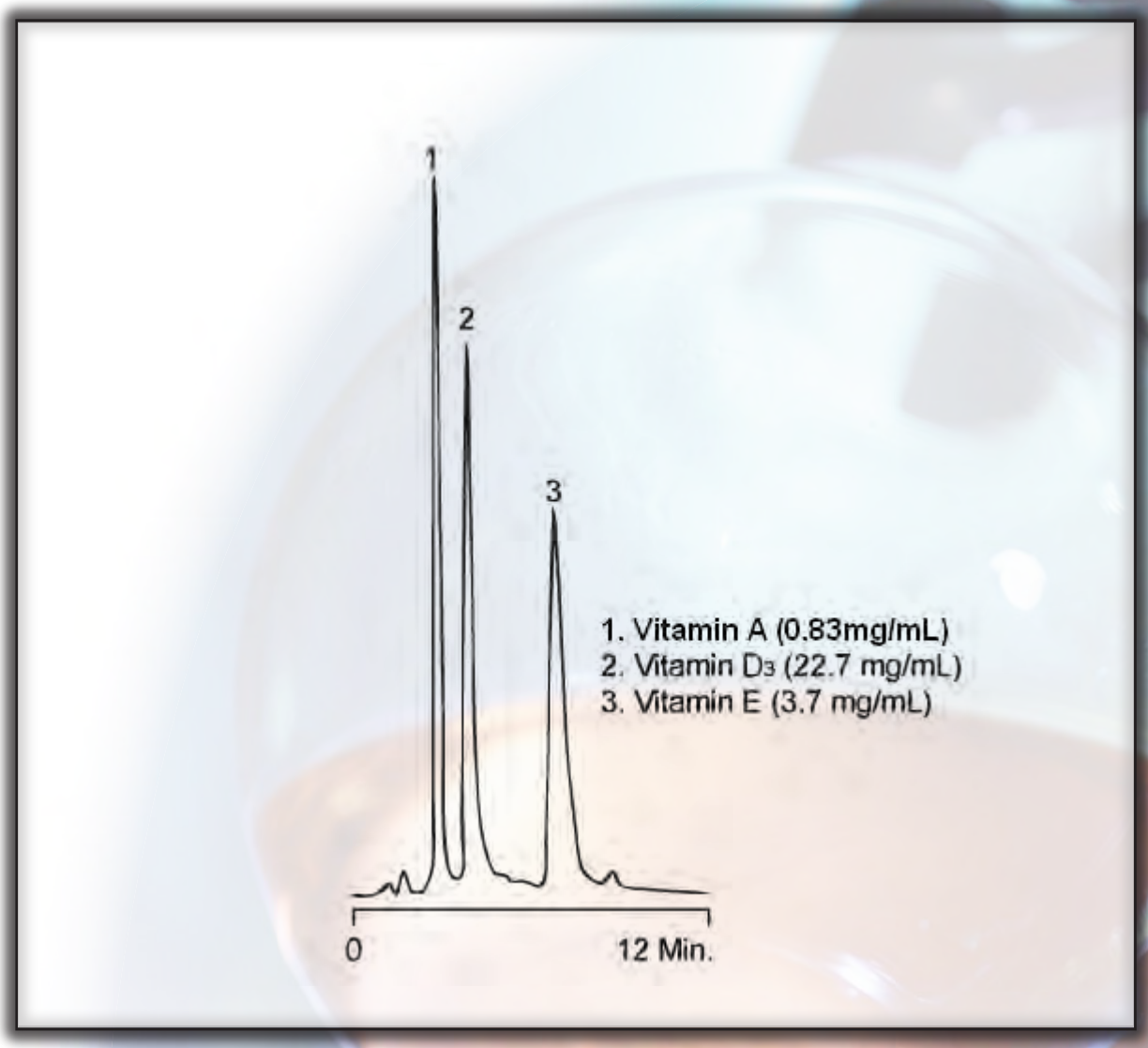
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

FAT SOLUBLE VITAMINS

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**ACN w/ 0.1% TFA**
Flow Rate:	**1.5mL/min.**
Injection:	**50µL**
Temperature:	**25°C**
Detector:	**UV @284nm**



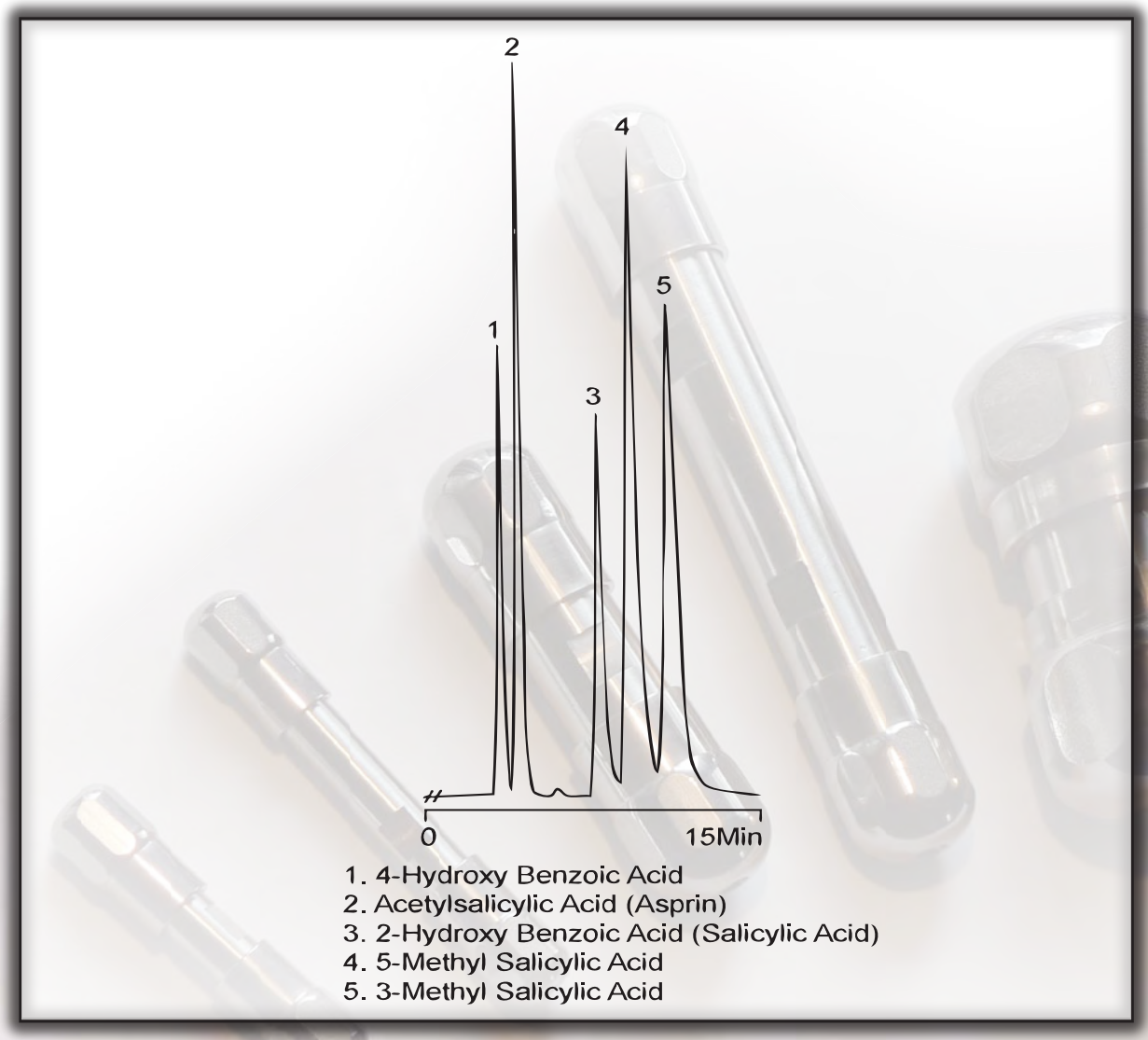
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

ASPIRIN and RELATED COMPOUNDS

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**60/40 ACN/H_2O w/ 0.1% TFA**
Flow Rate:	**0.7mL/min.**
Injection:	**2µL**
Temperature:	**25°C**
Detector:	**UV @235nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

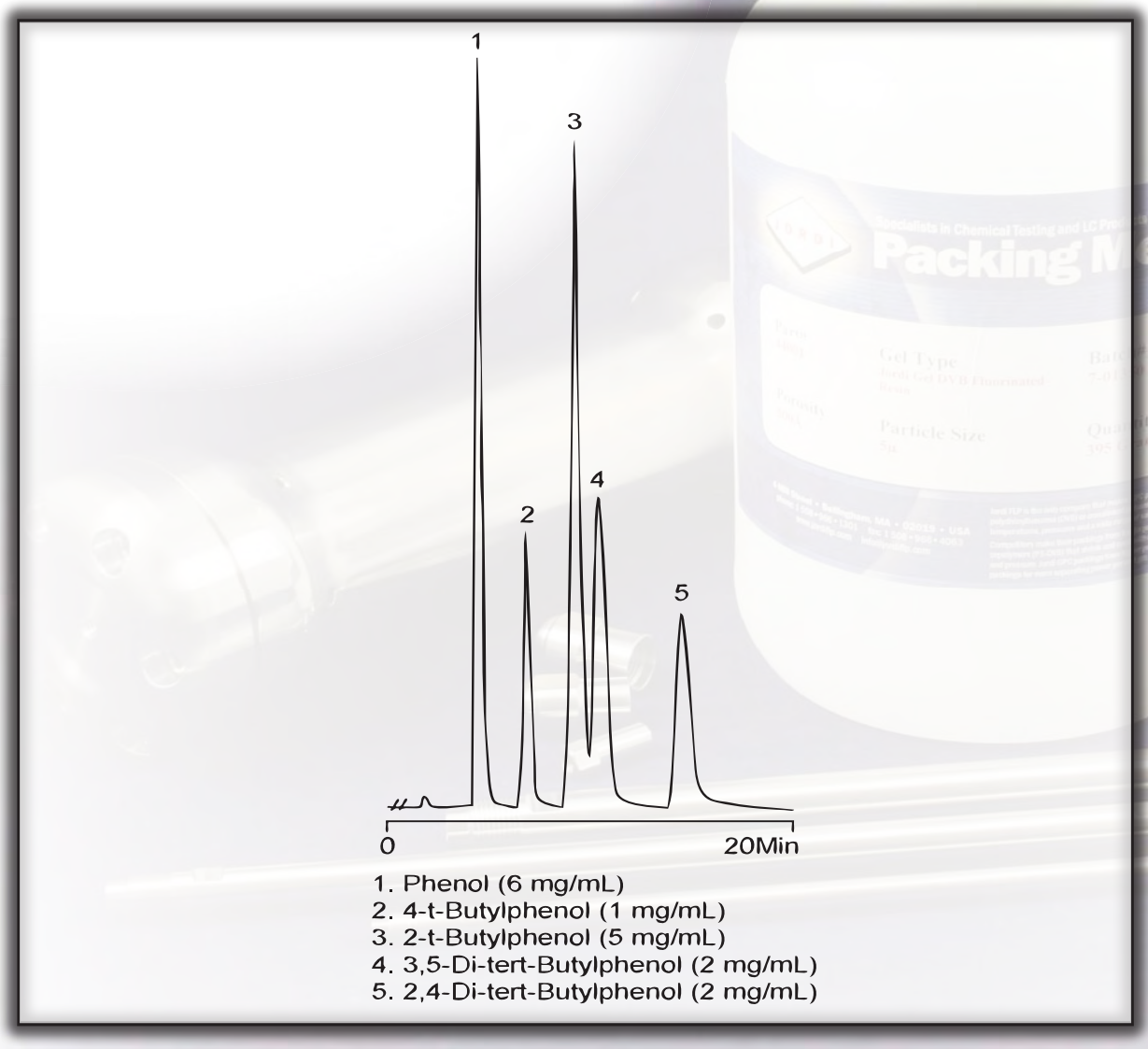
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

BUTYL PHENOL STANDARDS

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**70/30 ACN/H_2O w/ 0.1% TFA**
Flow Rate:	**0.7mL/min.**
Injection:	**5µL**
Temperature:	**25°C**
Detector:	**UV @215nm**



1. Phenol (6 mg/mL)
2. 4-t-Butylphenol (1 mg/mL)
3. 2-t-Butylphenol (5 mg/mL)
4. 3,5-Di-tert-Butylphenol (2 mg/mL)
5. 2,4-Di-tert-Butylphenol (2 mg/mL)

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

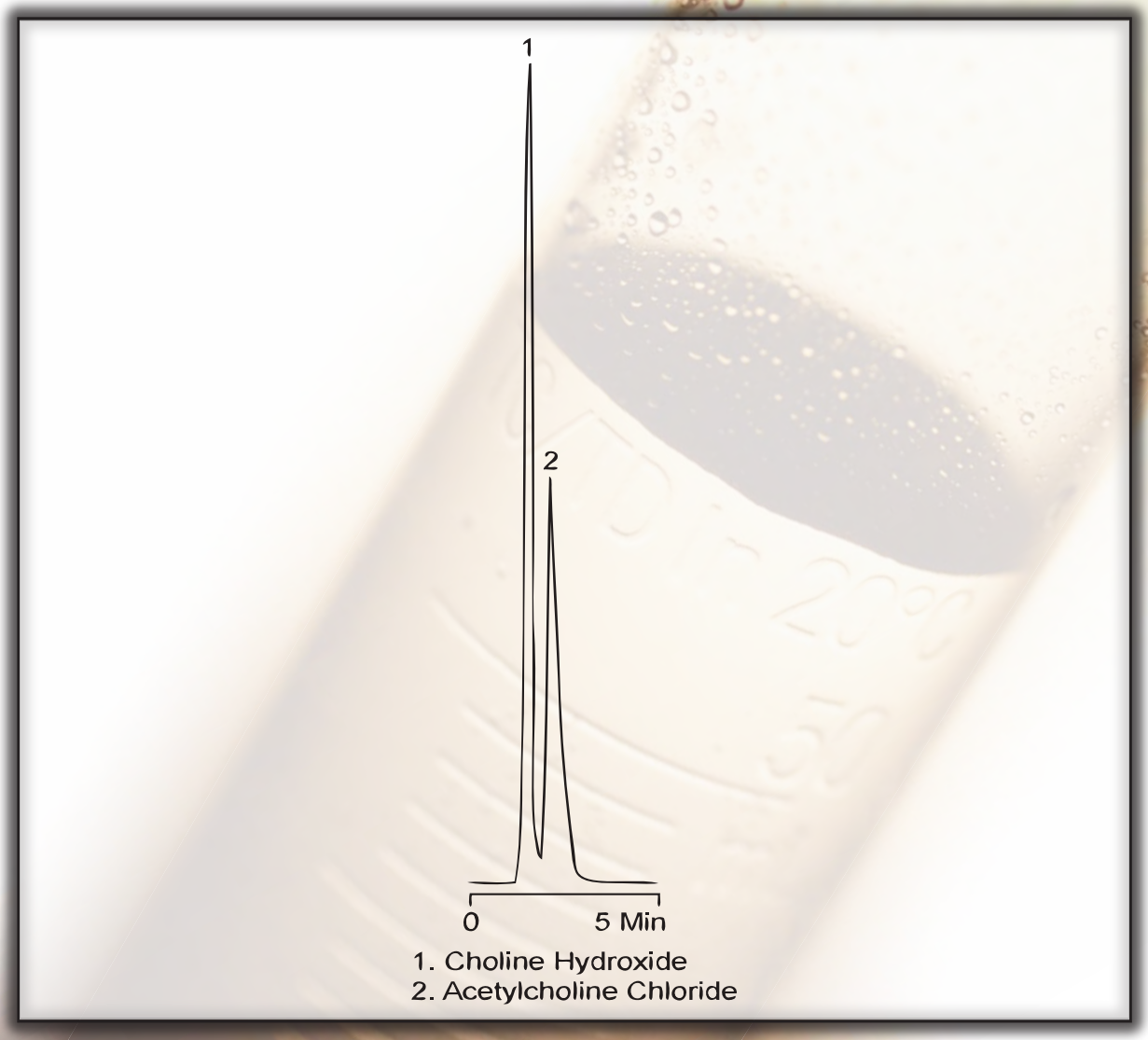
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

CHOLINE COMPOUNDS

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**90/3/7 0.1M Na_2HPO_4/ACN/MeOH**
Flow Rate:	**0.7mL/min.**
Injection:	**10µL**
Temperature:	**25°C**
Detector:	**UV @215nm**



1. Choline Hydroxide
2. Acetylcholine Chloride

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

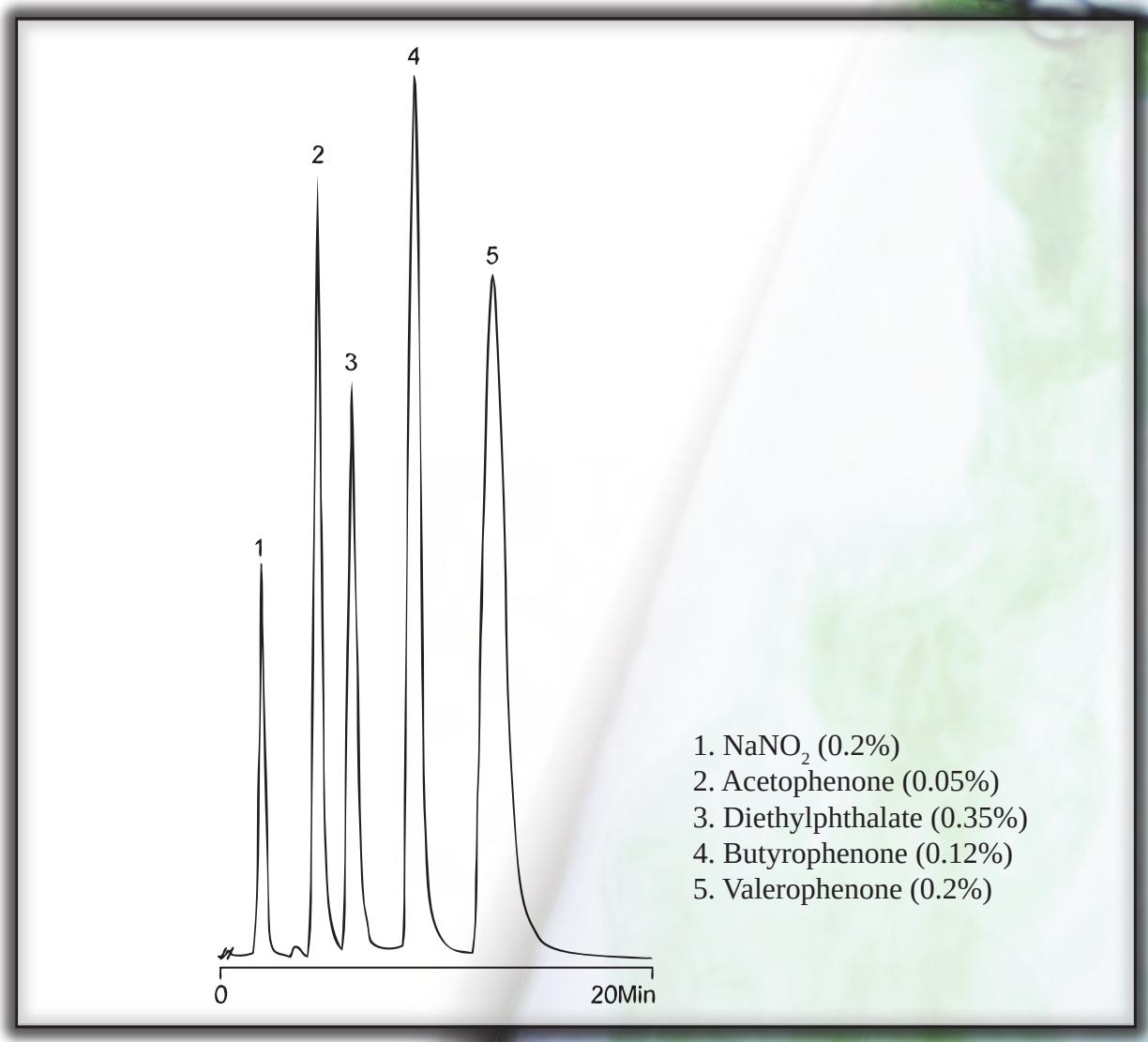
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

COLUMN TEST MIX

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**65/30/5 ACN/H_2O/MeOH w/0.1%TFA**
Flow Rate:	**0.7mL/min.**
Injection:	**5µL**
Temperature:	**25°C**
Detector:	**UV @254nm**



1. $NaNO_2$ (0.2%)
2. Acetophenone (0.05%)
3. Diethylphthalate (0.35%)
4. Butyrophenone (0.12%)
5. Valerophenone (0.2%)

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

JORDI

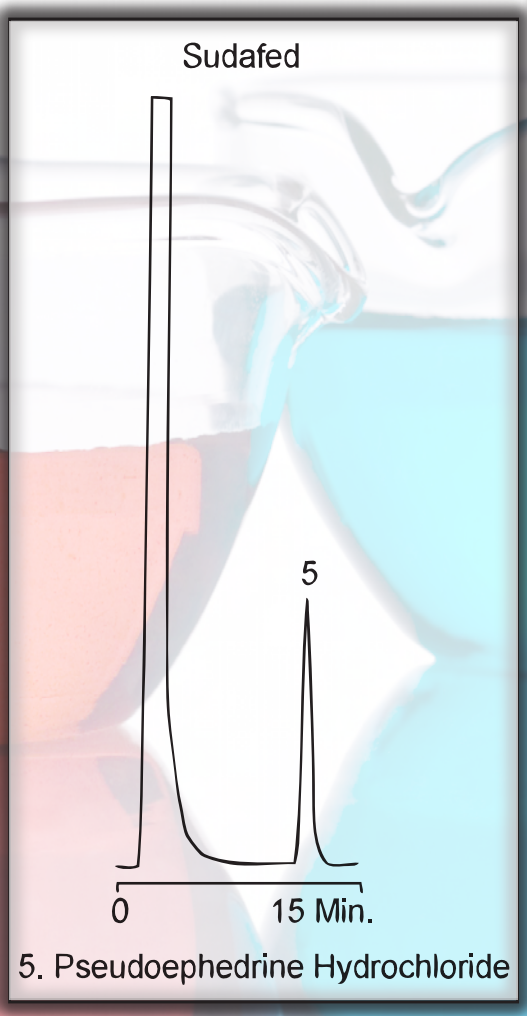
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

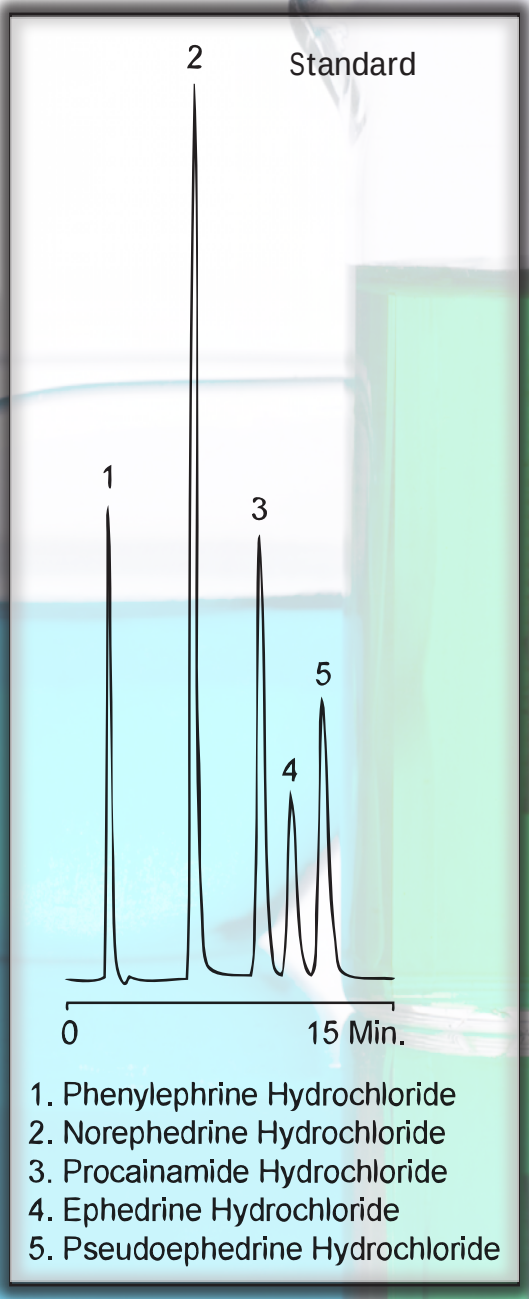
VASOCONSTRICTORS

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**24/75/1 ACN/0.2M NaOH/Butylamine**
Flow Rate:	**0.7mL/min.**
Injection:	**10µL**
Temperature:	**25°C**
Detector:	**UV @254nm**

1. Phenylephrine Hydrochloride



5. Pseudoephedrine Hydrochloride



1. Phenylephrine Hydrochloride
2. Norephedrine Hydrochloride
3. Procainamide Hydrochloride
4. Ephedrine Hydrochloride
5. Pseudoephedrine Hydrochloride

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

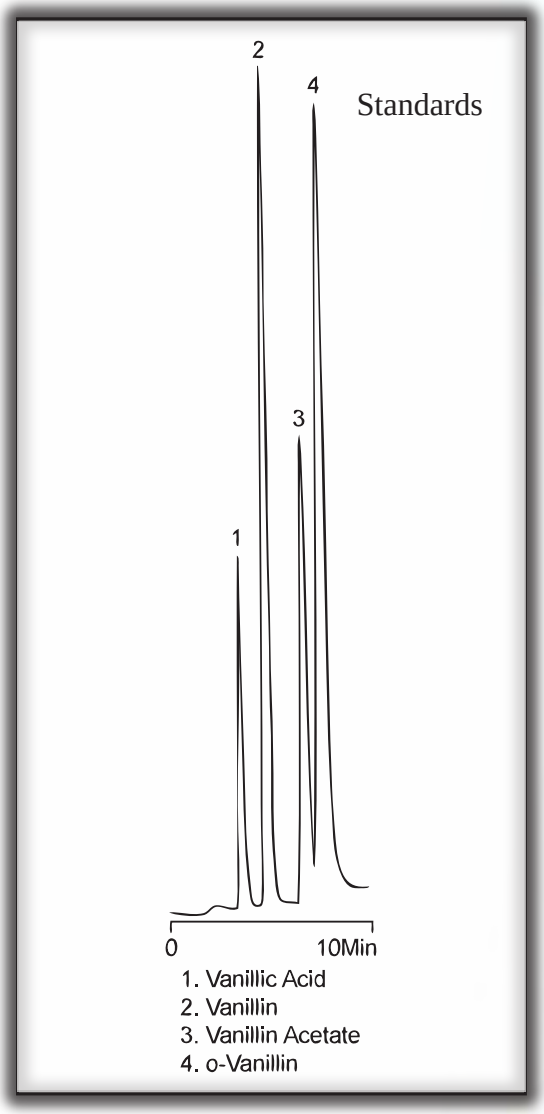
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

VANILLIN COMPOUNDS

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**40/60 H_2O/ACN w/0.1% TFA**
Flow Rate:	**0.7mL/min.**
Injection:	**4µL**
Temperature:	**25°C**
Detector:	**UV @235nm**



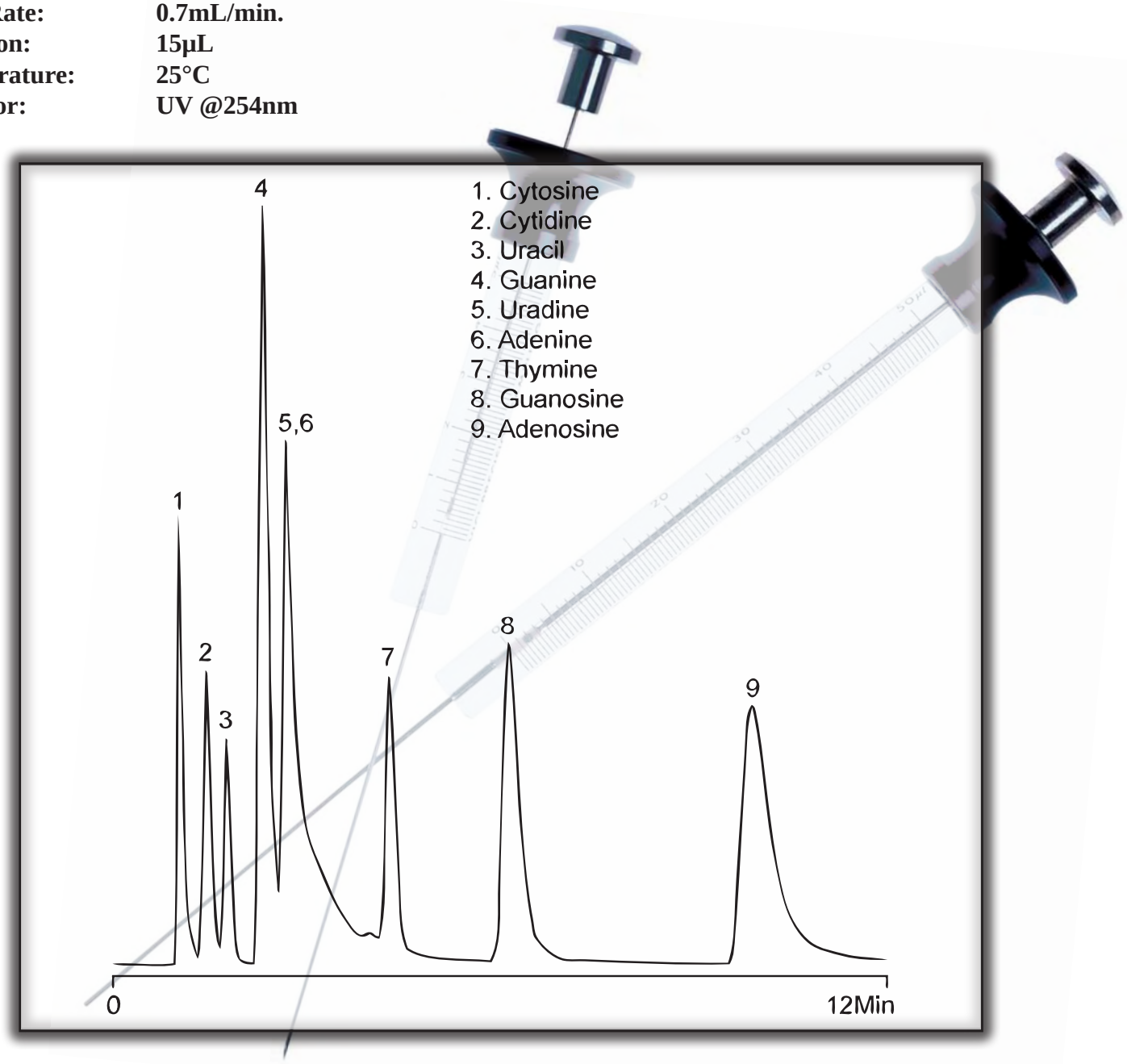
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

NUCLEOSIDES and BASES

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**99/1 0.01%M Sodium Acetate/ACN pH 4.0 w/TFA**
Flow Rate:	**0.7mL/min.**
Injection:	**15µL**
Temperature:	**25°C**
Detector:	**UV @254nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

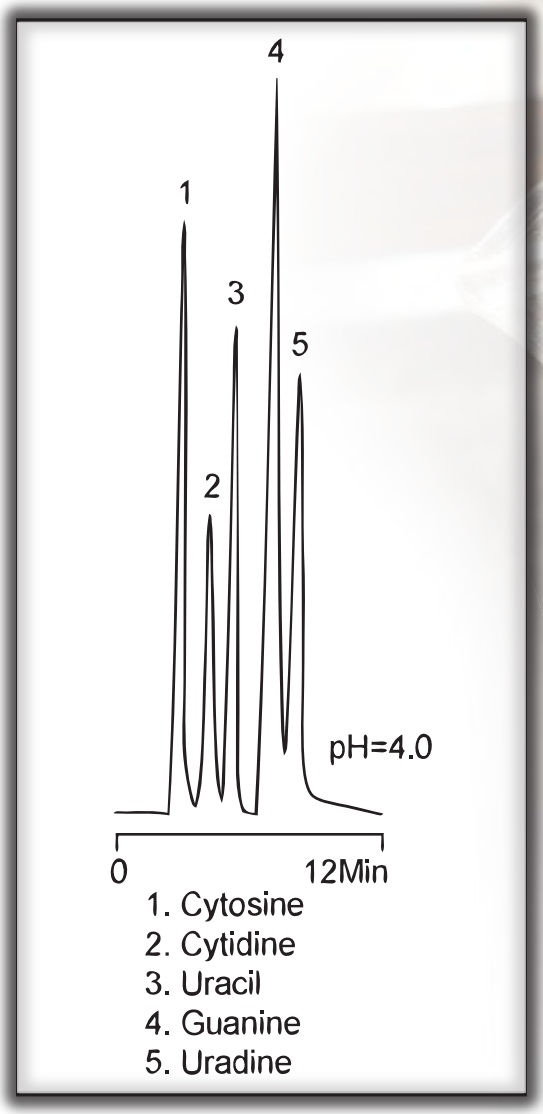
JORDI

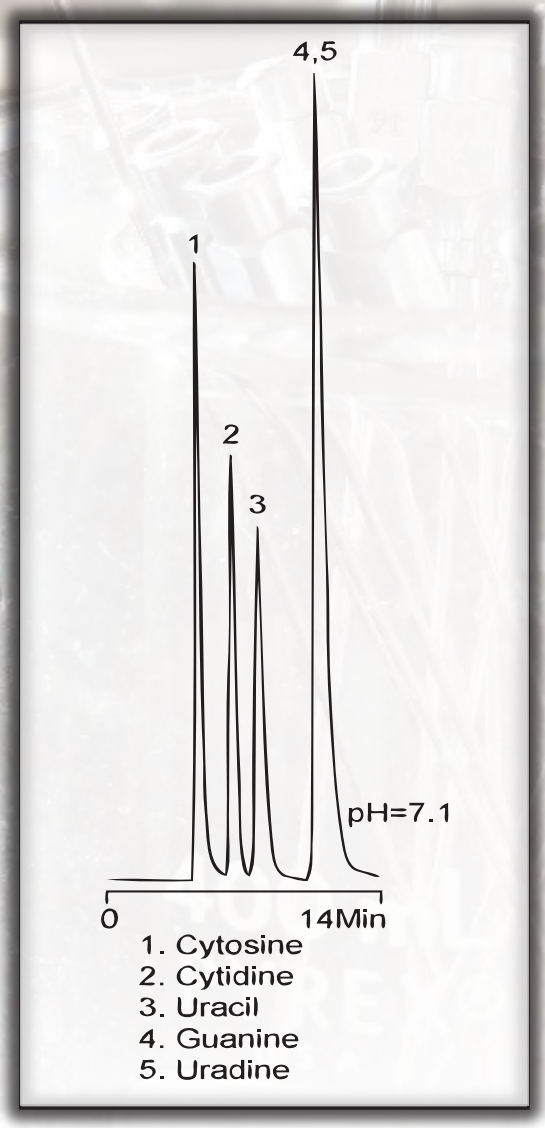
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

NUCLEOSIDES and BASES
(at different pH's)

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**99/1 0.01%M Sodium Acetate/ACN**
	pH 4.0 w/TFA & pH 7.1 w/TFA
Flow Rate:	**0.7mL/min.**
Injection:	**15µL**
Temperature:	**25°C**
Detector:	**UV @254nm**





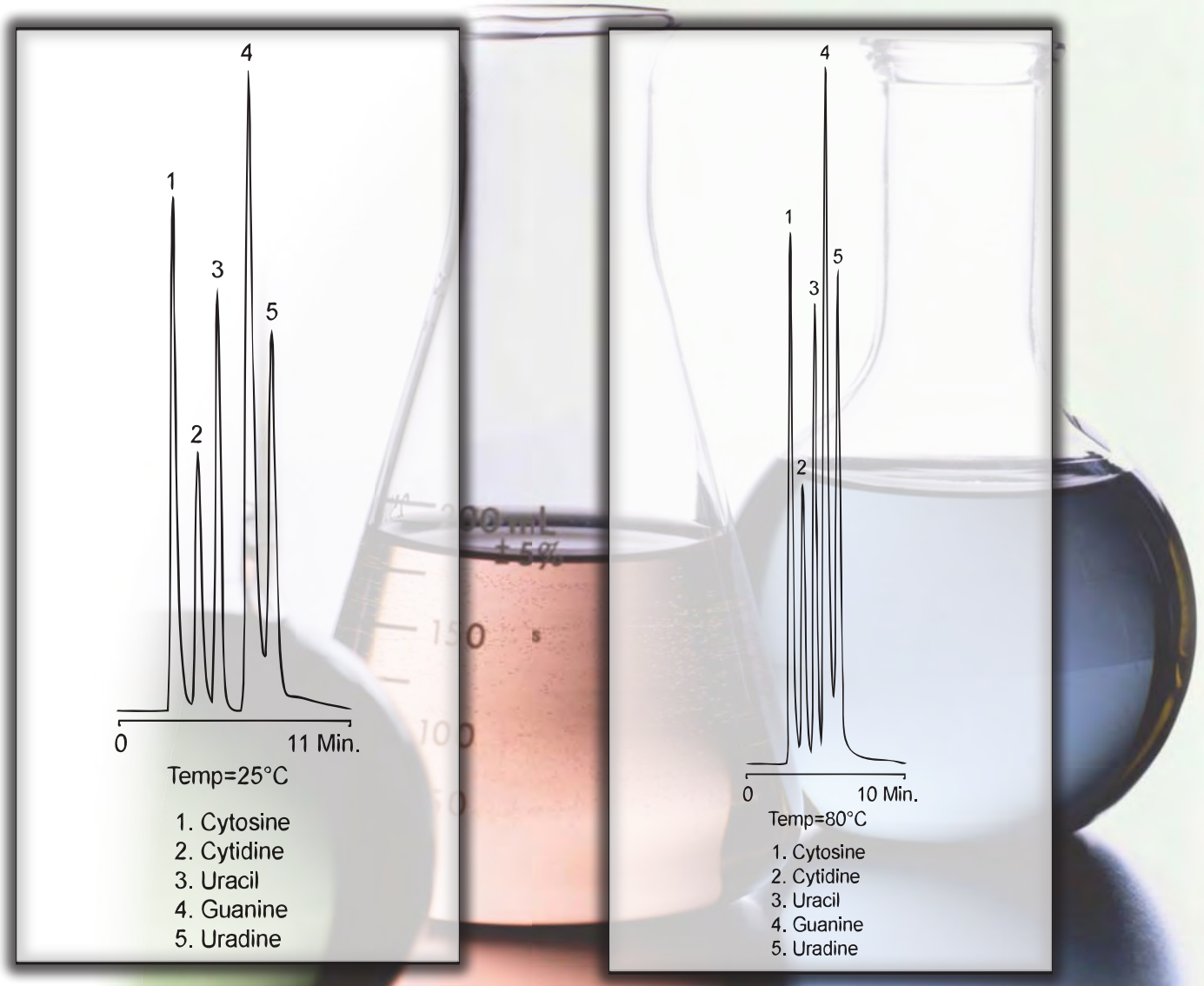
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

NUCLEOSIDES and BASES
(at different Temperatures)

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**99/1 0.01%M Sodium Acetate/ACN pH 4.0 w/TFA**
Flow Rate:	**0.7mL/min.**
Injection:	**15µL**
Temperature:	**See curve detail**
Detector:	**UV @254nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

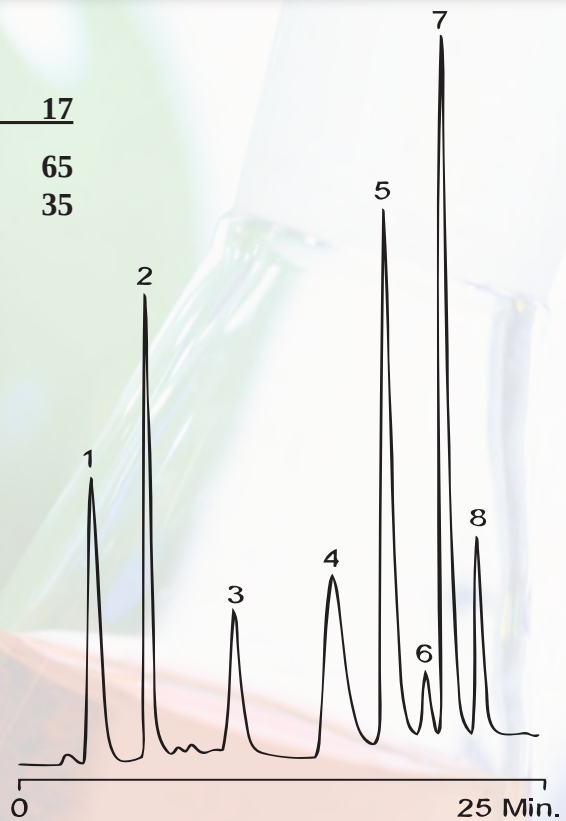
HPLC APPLICATION

ANTICONVULSANTS

Part Number:	**18500**
Packing:	**DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent A:	**H_2O**
Solvent B:	**87.5/12.5 ACN/MeOH**
Flow Rate:	**0.7mL/min.**
Injection:	**20µL**
Temperature:	**25°C**
Detector:	**UV @215nm**

Gradient Linear

Time (Min.)	0	3	12	17
% A	65	65	20	65
%B	35	35	80	35



1. Barbital
2. Phenacemide
3. Ethotoin
4. Phenobarbital
5. Phensuximide
6. Mephenytoin
7. Carbamazepine
8. Methsuximide

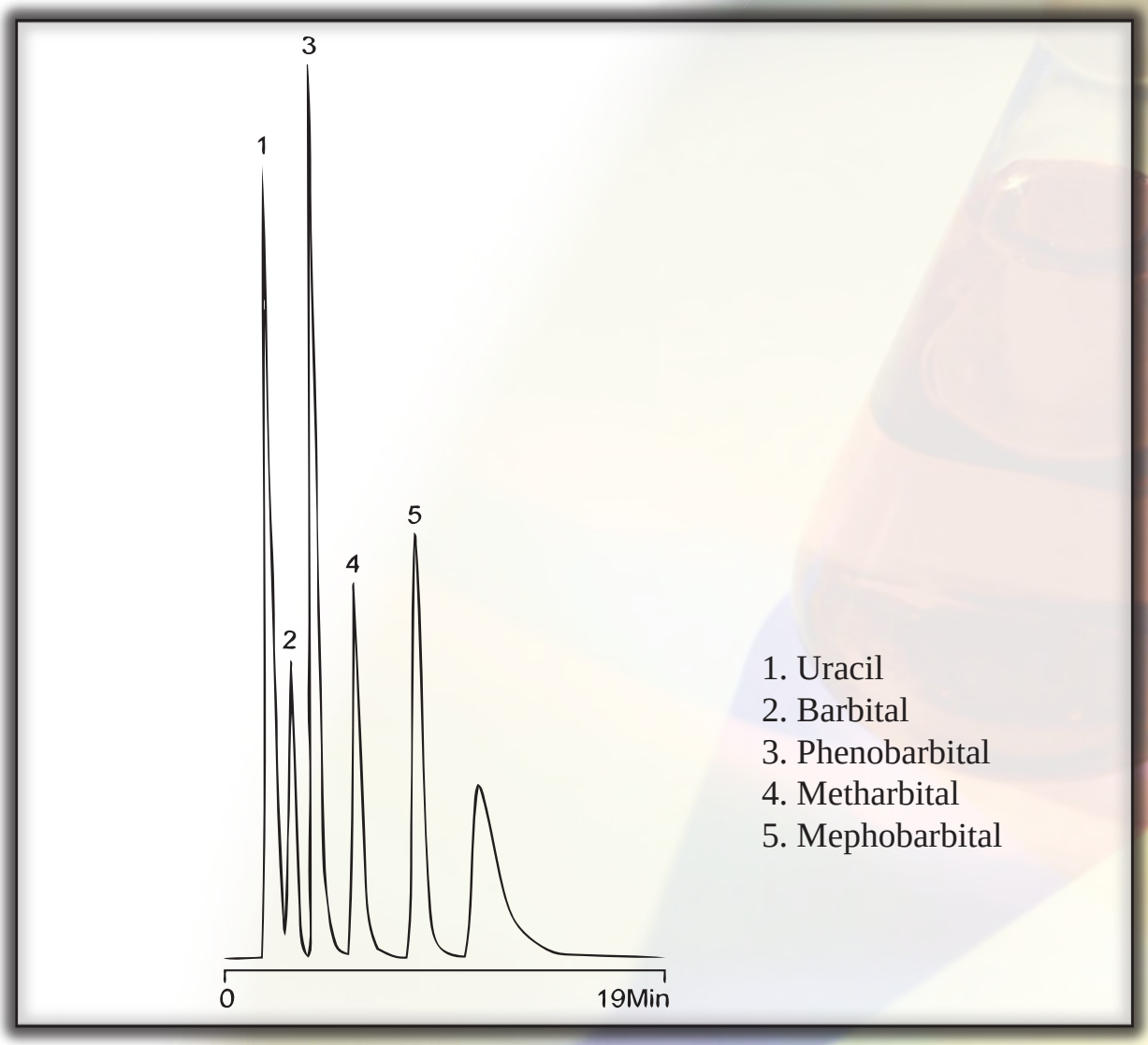
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

BARBITURATES

Part Number: 18500
Packing: DVB C_{18} 500Å
Column: 15cm X 4.6mm ID
Solvent : 70/22.5/7.5 0.05 M Na_2HPO_4/ACN/MeOH
Flow Rate: 0.7mL/min.
Injection: 12µL
Temperature: 25°C
Detector: UV @210nm



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

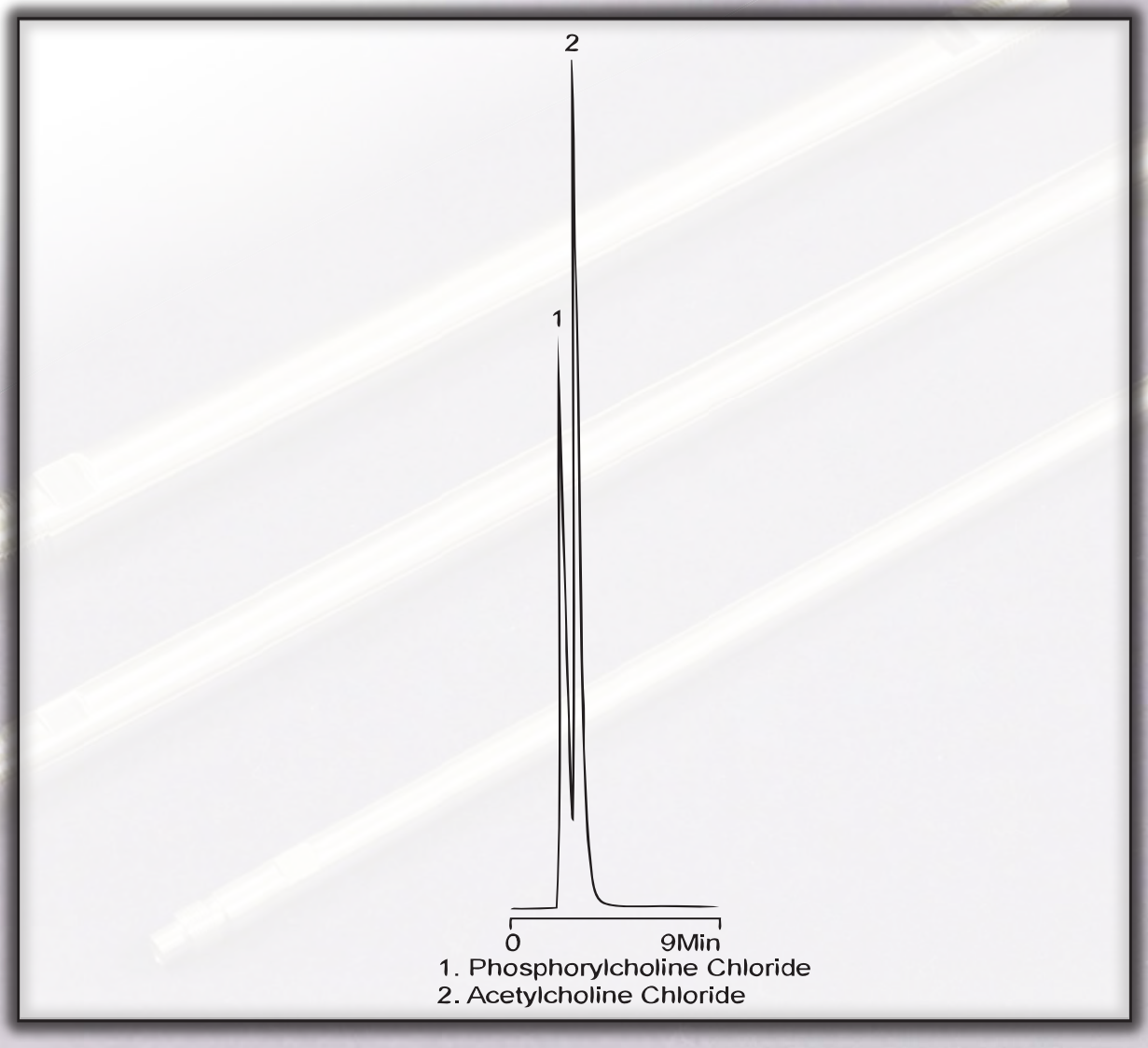
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

CHOLINE COMPOUNDS

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**H_2O @pH 3.3 w/HCl**
Flow Rate:	**0.7mL/min.**
Injection:	**15µL**
Temperature:	**25°C**
Detector:	**UV @200nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

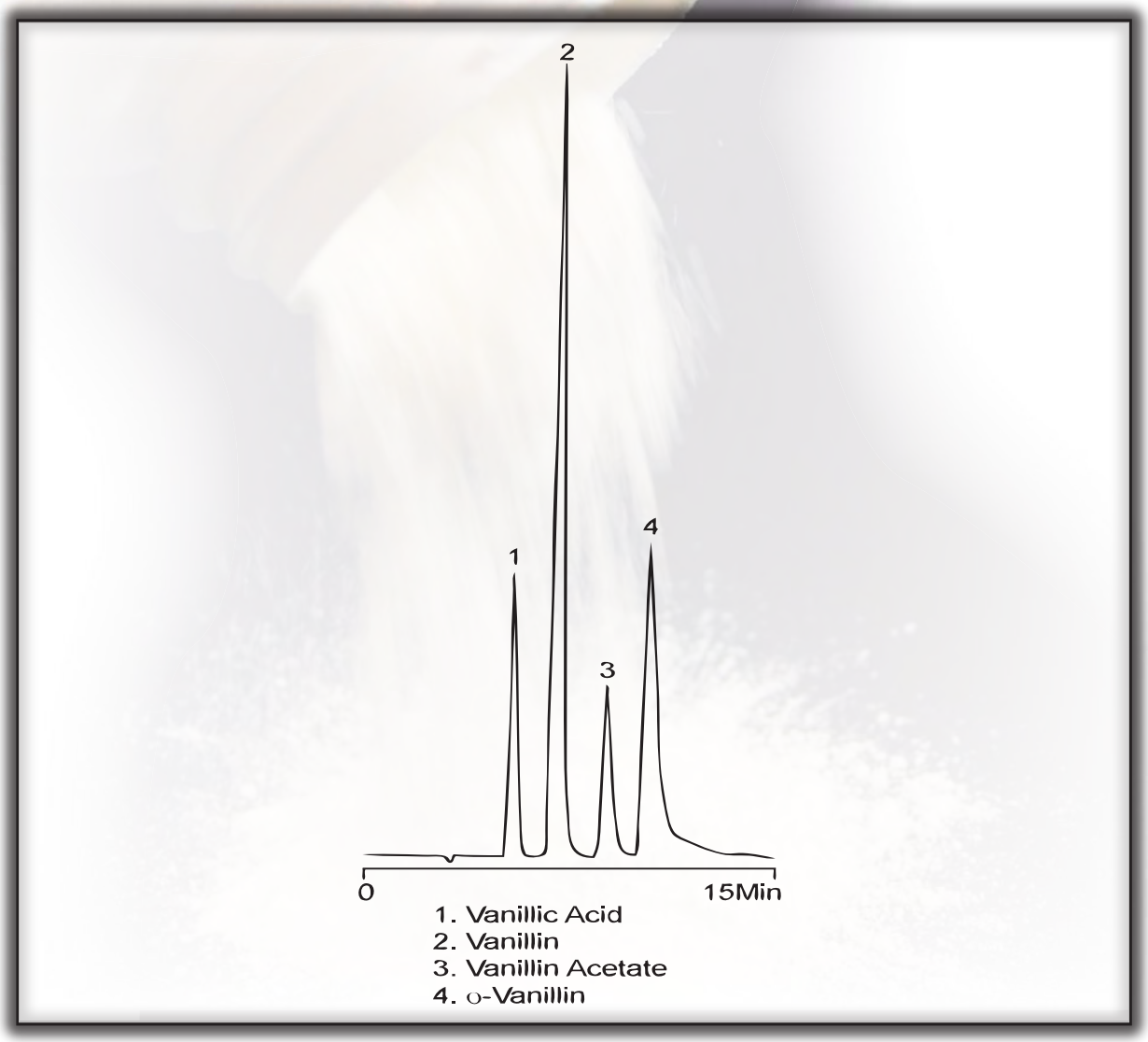
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

VANILLIN COMPOUNDS

Part Number:	**18501**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**25cm X 4.6mm ID**
Solvent:	**40/60 H_2O/ACN w/0.1% TFA**
Flow Rate:	**0.7mL/min.**
Injection:	**4µL**
Temperature:	**25°C**
Detector:	**UV @235nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

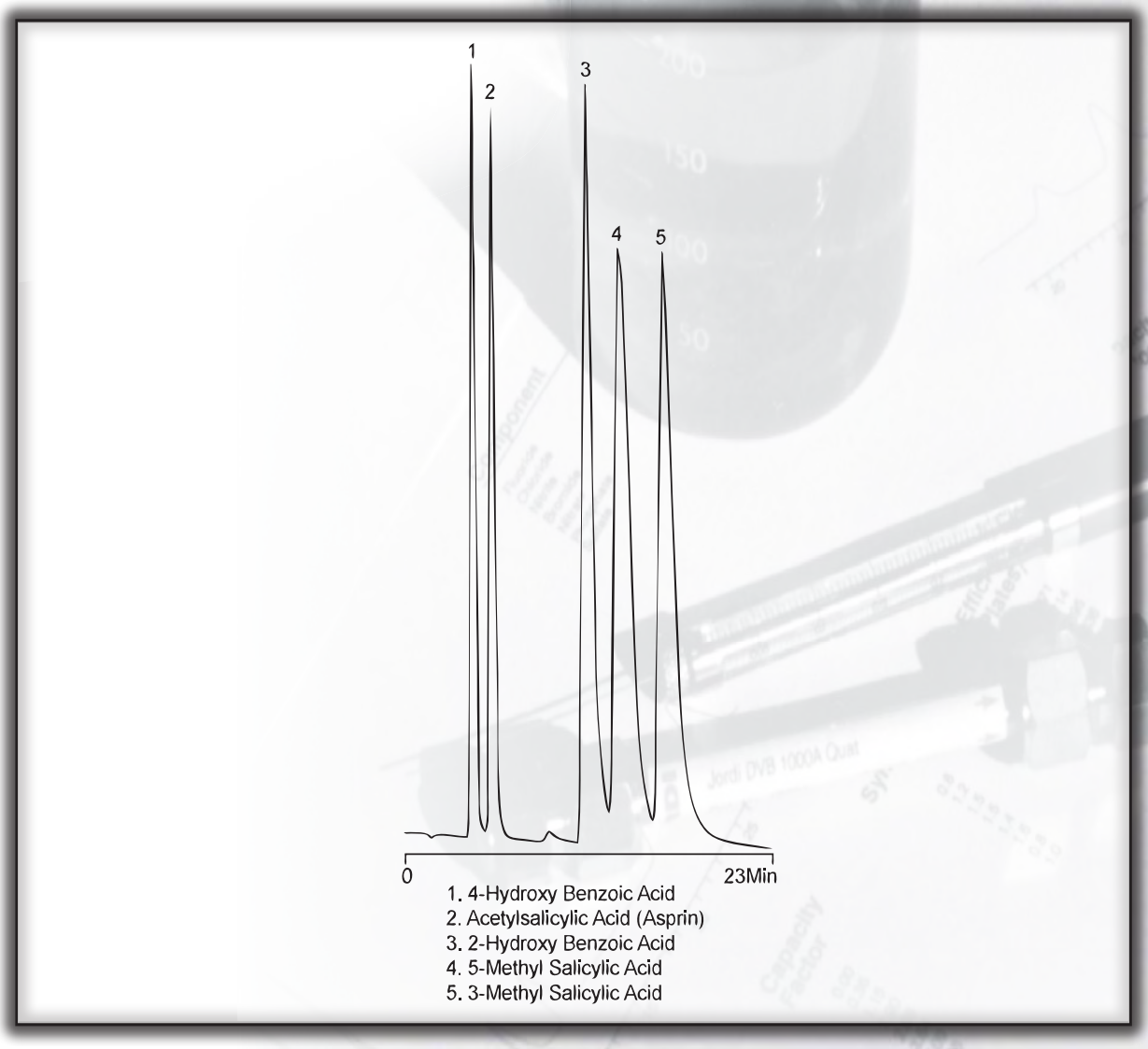
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

ASPIRIN and RELATED COMPOUNDS

Part Number:	**18501**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**25cm X 4.6mm ID**
Solvent:	**40/60 H_2O/ACN w/0.1% TFA**
Flow Rate:	**0.7mL/min.**
Injection:	**2µL**
Temperature:	**25°C**
Detector:	**UV @235nm**



Jordi Labs • 4 Mill St • Bellingham MA 02019
Phone: 508 966 1301 • Fax: 508 966 4063 • www.jordilabs.com • info@jordilabs.com

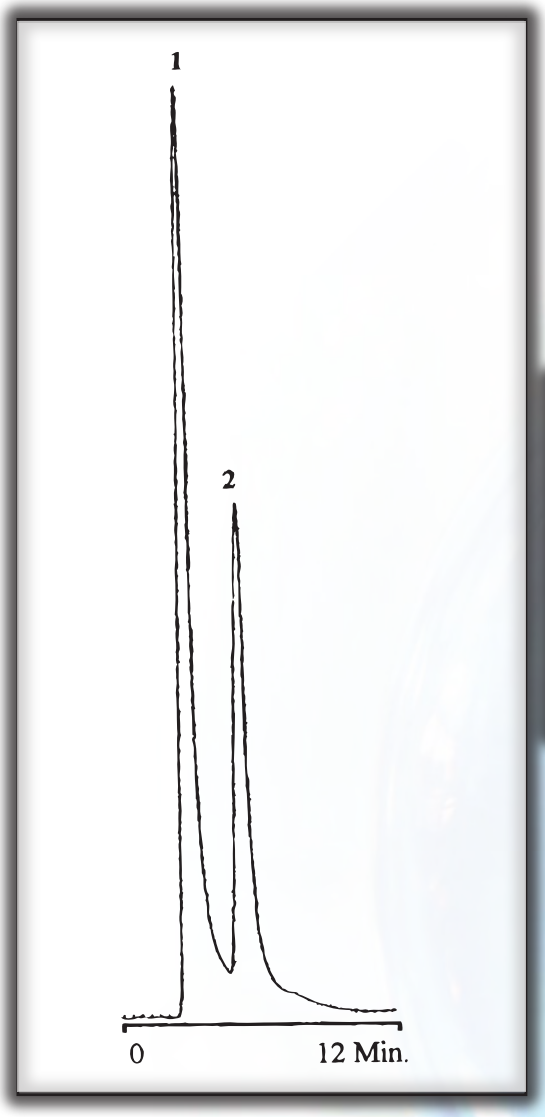
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

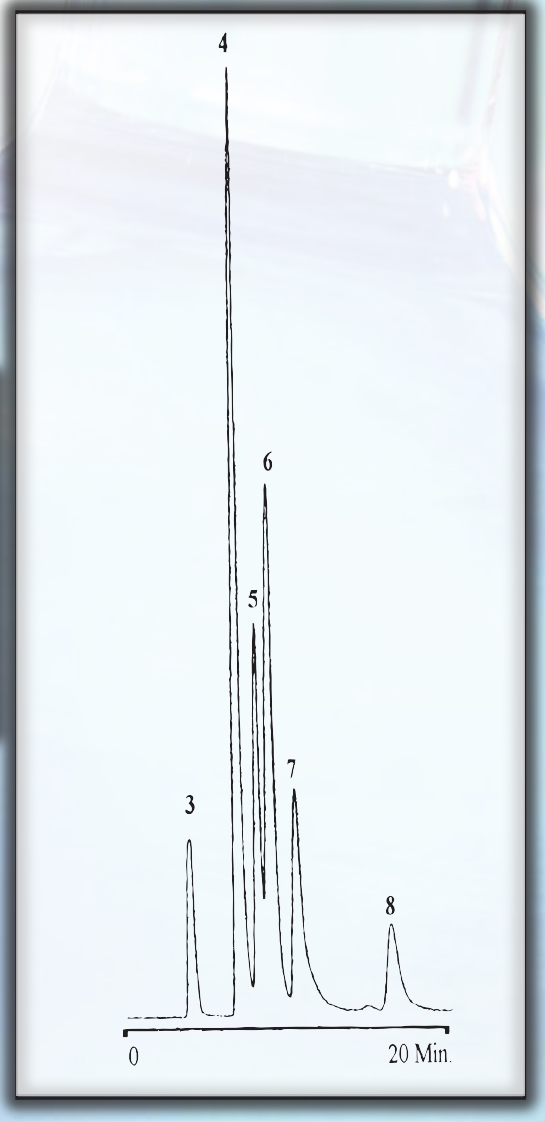
HPLC APPLICATION

2′ and 3′ MONOPHOSPHATE NUCLEOTIDES

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**99/1 0.01M Sodium Acetate/ACN w/0.1% TFA**
Flow Rate:	**0.7mL/min.**
Injection:	**10µL**
Temperature:	**25°C**
Detector:	**UV @254nm**



1. 3′-AMP
2. 2′-AMP
3. 2′-CMP & 3′-CMP
4. 3′-AMP
5. 3′-UMP
6. 2′-AMP & 2′ -UMP
7. 3′ -GMP
8. 2′ -GMP



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

JORDI

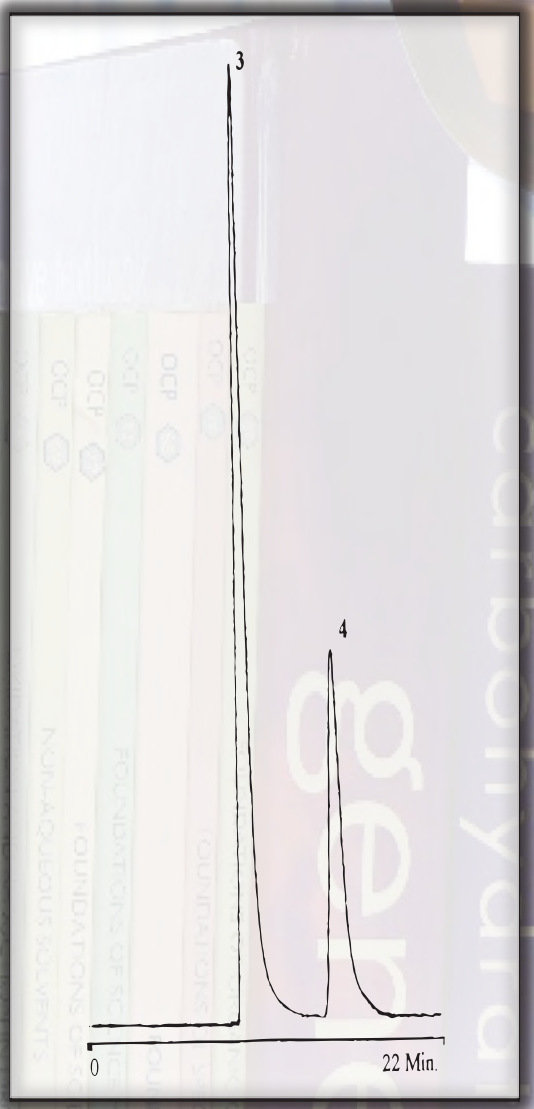
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

2′ and 3′ MONOPHOSPHATE NUCLEOTIDES

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**99/1 0.01M Sodium Acetate/ACN w/0.1% TFA**
Flow Rate:	**0.7mL/min.**
Injection:	**7µL**
Temperature:	**25°C**
Detector:	**UV @254nm**

1. 3′-UMP
2. 2′-UMP
3. 3′-GMP
4. 2′-GMP



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

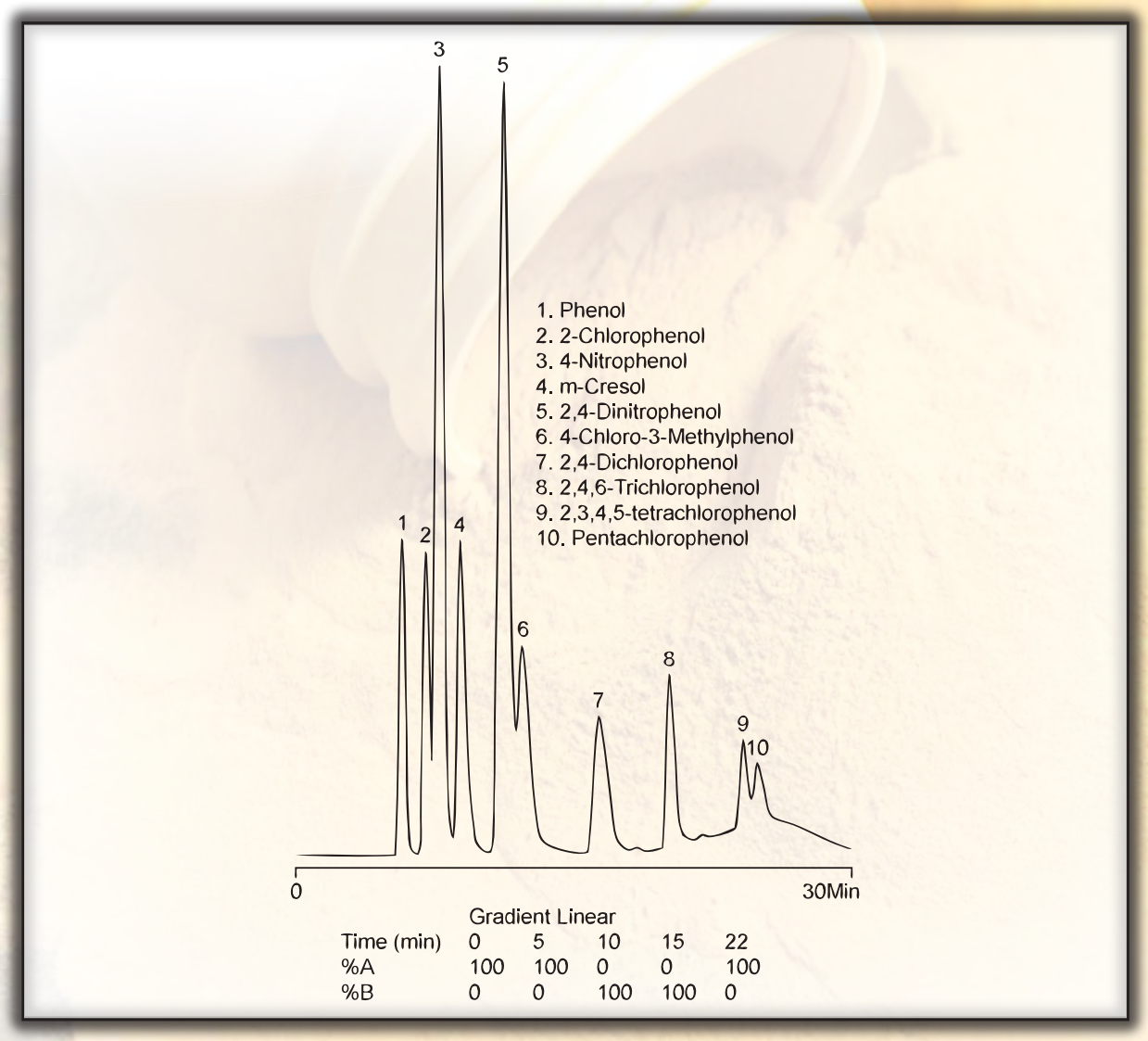
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

PHENOLS

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent A:	**44/56 H_2O/ACN w/0.1% TFA**
Solvent B:	**10/90 H_2O/ACN w/0.1% TFA**
Flow Rate:	**0.7mL/min.**
Injection:	**2µL of 2mg/mL solution**
Temperature:	**25°C**
Detector:	**UV @280nm**



Time (min)	0	5	10	15	22
%A	100	100	0	0	100
%B	0	0	100	100	0

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

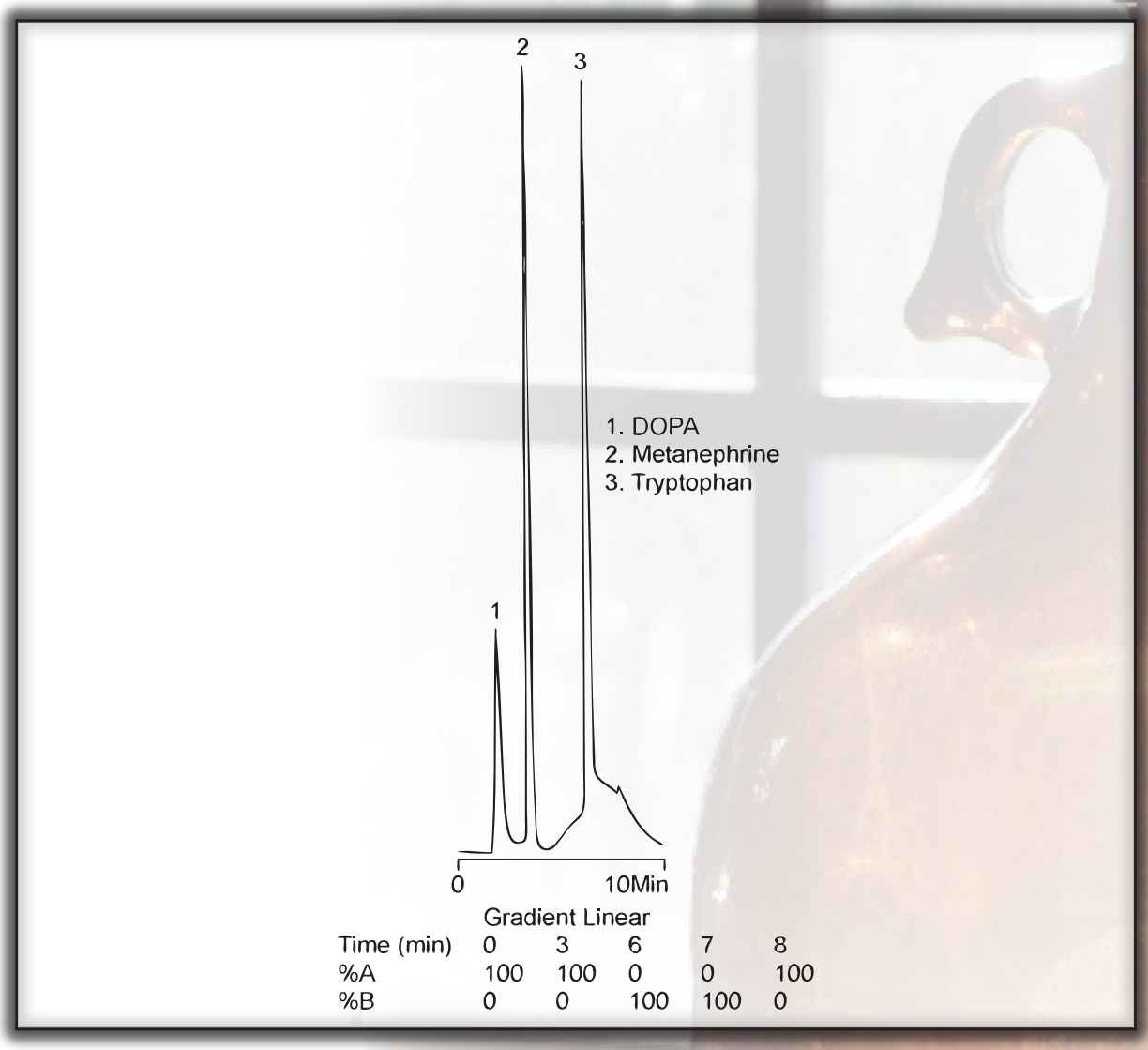
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

CATECHOLAMINES

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent A:	**98/1/1 0.01M NaH_2PO_4/ACN/Butylamine**
Solvent B:	**79/20/1 0.01M NaH_2PO_4/ACN/Butylamine**
Flow Rate:	**0.7mL/min.**
Injection:	**50µL**
Temperature:	**25°C**
Detector:	**UV @280nm**



Gradient Linear

Time (min)	0	3	6	7	8
%A	100	100	0	0	100
%B	0	0	100	100	0

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

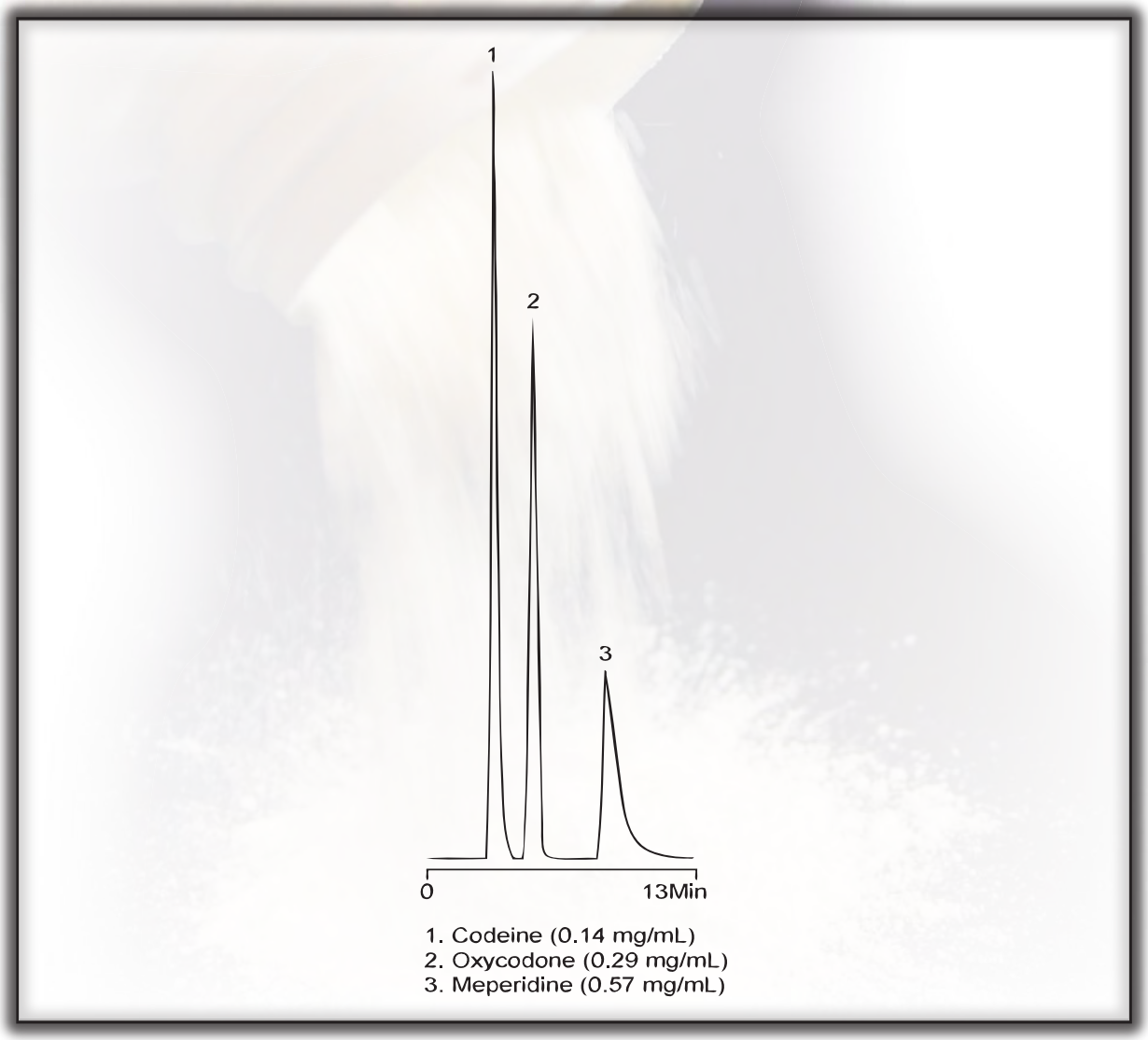
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

ALKALOID DRUGS

Part Number:	**18503**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**10cm X 4.6mm ID**
Solvent:	**70/20/10 H_2O/ACN/MeOH w/0.1% TFA**
Flow Rate:	**0.5mL/min.**
Injection:	**25µL**
Temperature:	**25°C**
Detector:	**UV @230nm**



1. Codeine (0.14 mg/mL)
2. Oxycodone (0.29 mg/mL)
3. Meperidine (0.57 mg/mL)

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

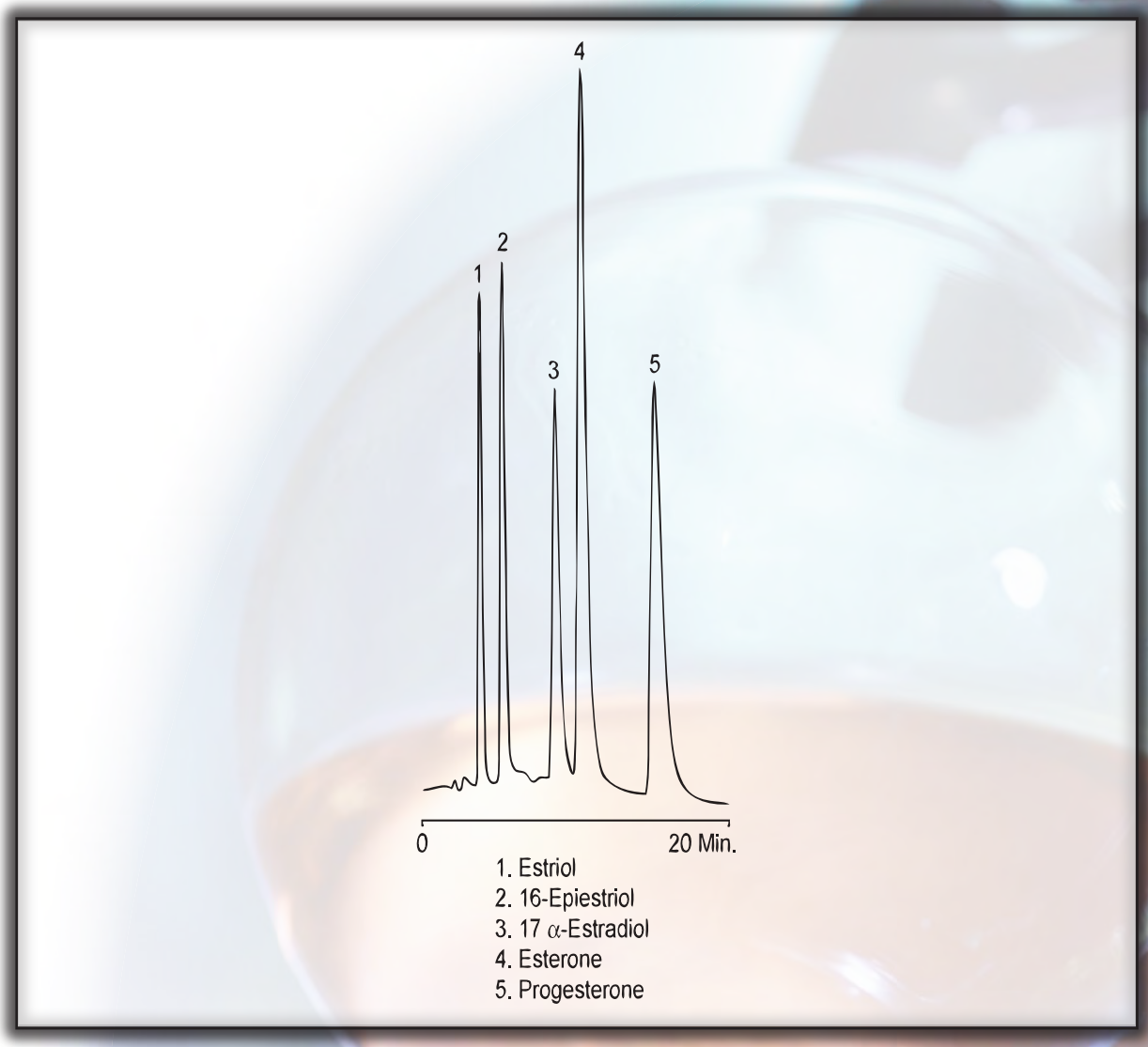
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

STEROIDS

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**65/35 ACN/H_2O**
Flow Rate:	**0.7mL/min.**
Injection:	**20µL**
Temperature:	**25°C**
Detector:	**UV @215nm, 0.62 AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

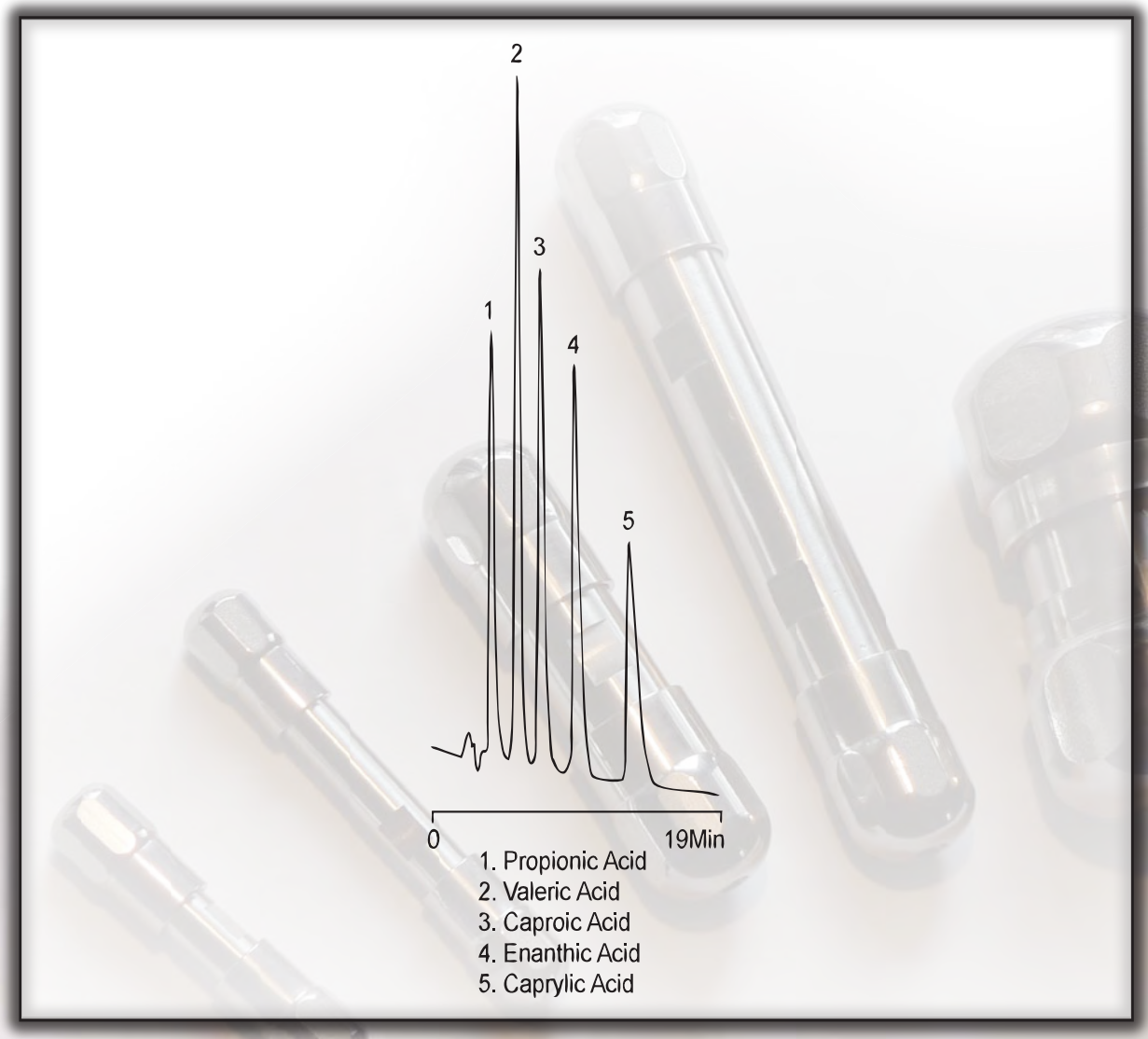
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

SHORT CHAIN FATTY ACIDS

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**50/50 ACN/H_2O/H_3PO_4**
Flow Rate:	**0.7mL/min.**
Injection:	**150µL**
Temperature:	**25°C**
Detector:	**UV @210nm, 0.6 AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

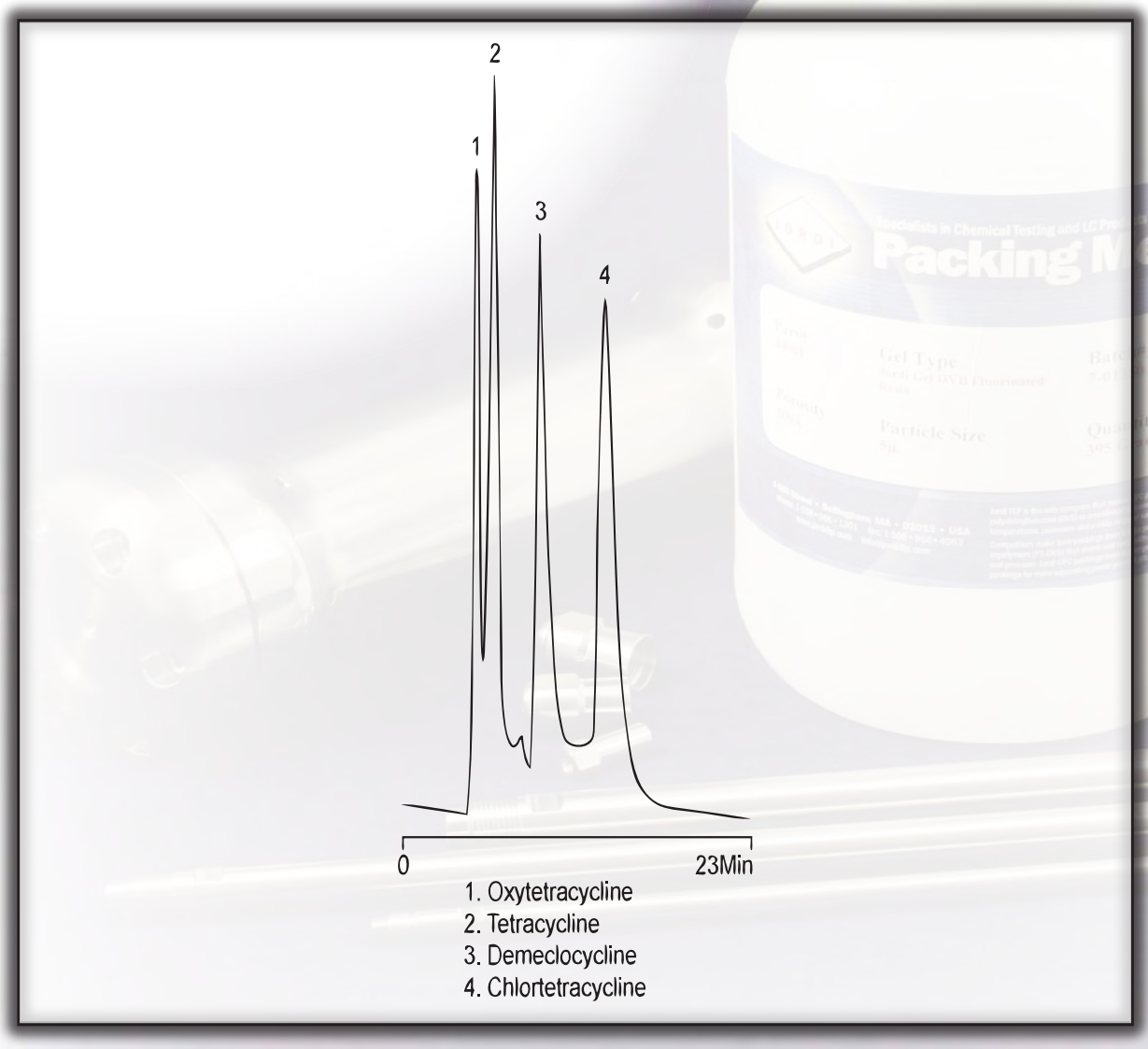
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

TETRACYCLINE and RELATED COMPOUNDS

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**20/80 ACN/H_2O w/0.1% TFA**
Flow Rate:	**0.7mL/min.**
Injection:	**20µL**
Temperature:	**25°C**
Detector:	**UV @300nm, 0.5 AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

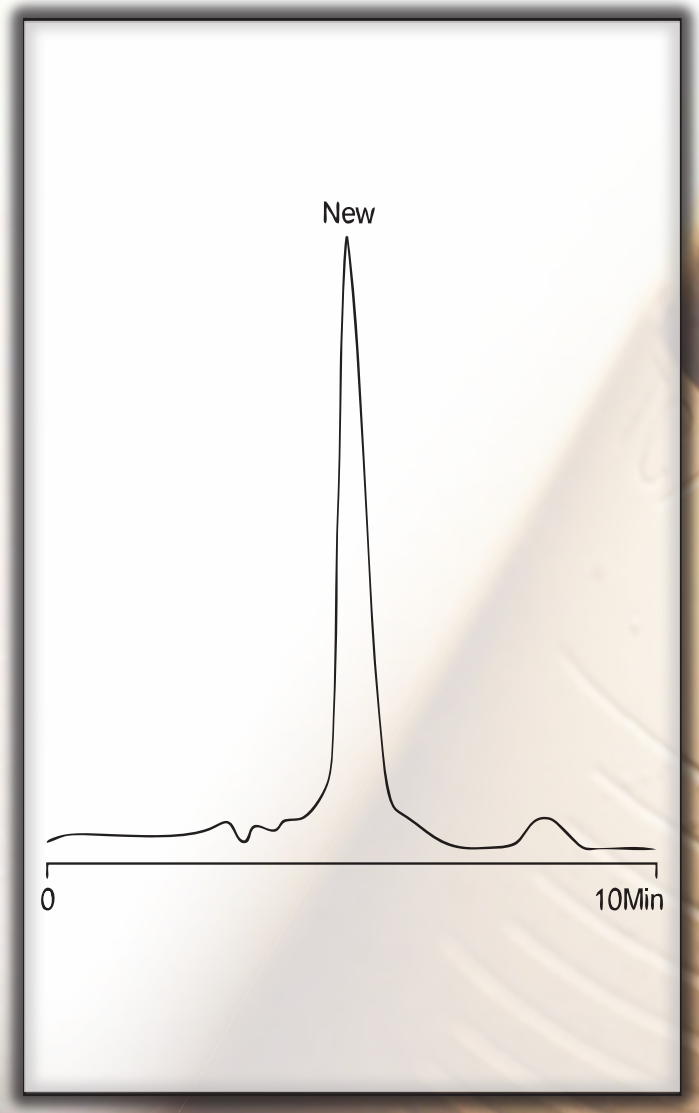
JORDI

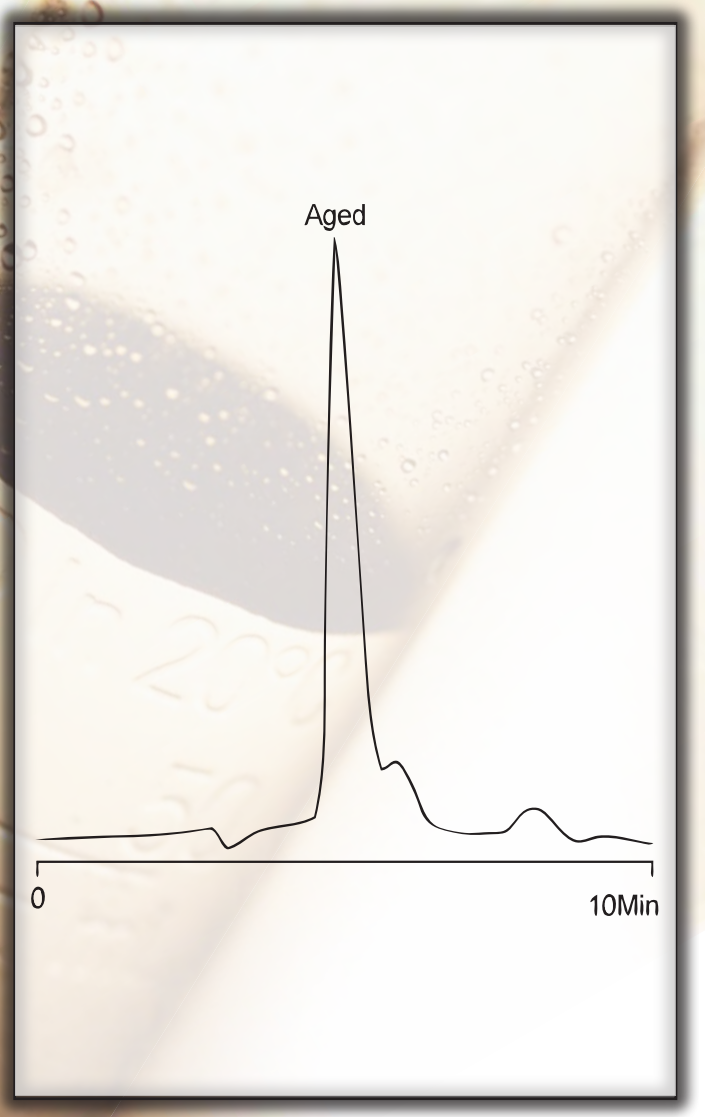
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

ERYTHROMYCIN
(New and Aged)

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**45/23/32 ACN/0.05M KH_2PO_4/MeOH**
Flow Rate:	**0.7mL/min.**
Injection:	**35µL of 6mg/mL**
Temperature:	**25°C**
Detector:	**RI (Waters 401) @8X**





Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

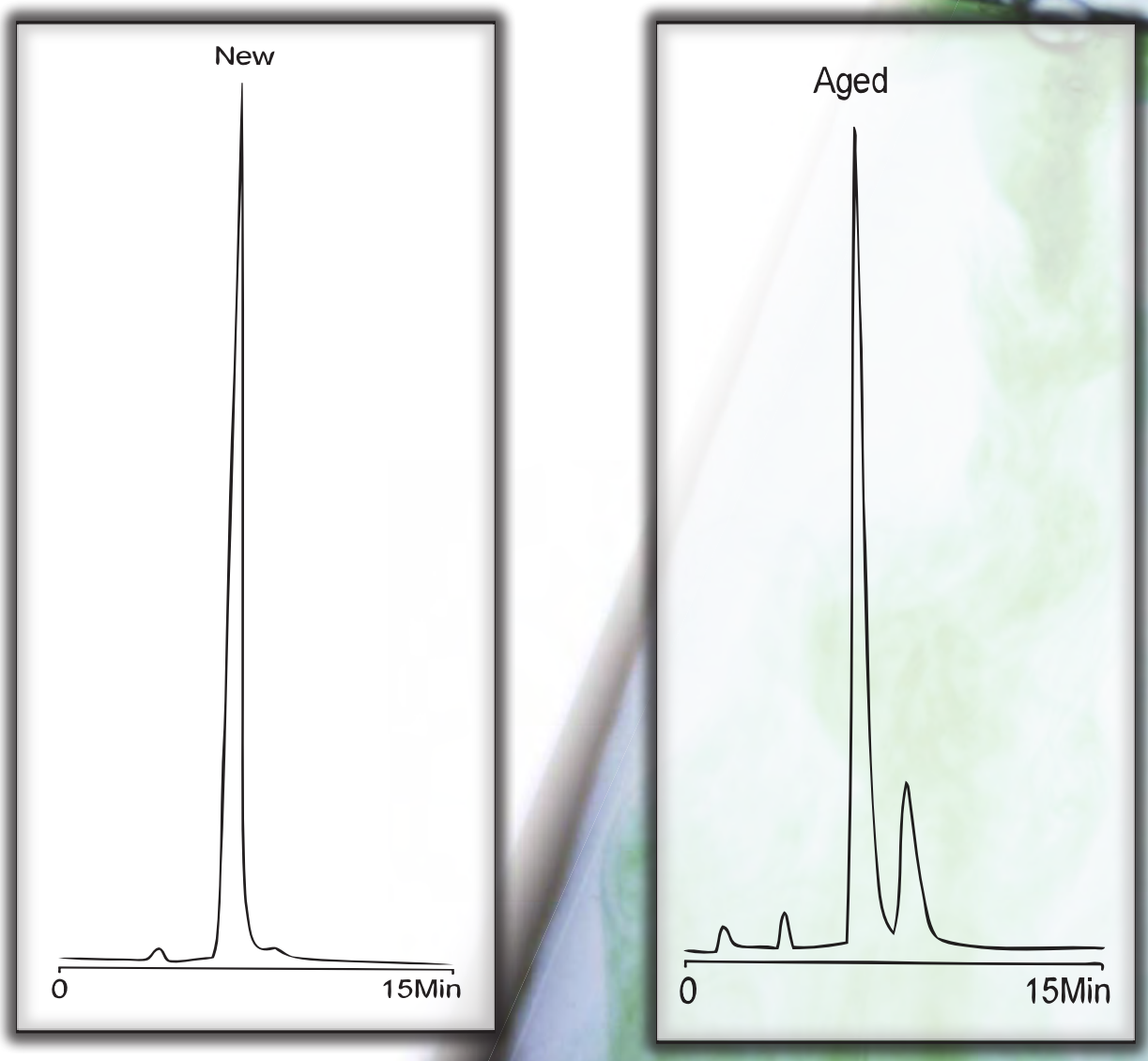
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

PENICILLIN
(New and Aged)

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**50/50 ACN/0.05M KH_2PO_4**
Flow Rate:	**0.7mL/min.**
Injection:	**1.5µL of 17mg/mL**
Temperature:	**25°C**
Detector:	**UV @220nm 2.0 AUFS**



Jordi Labs • 4 Mill St • Bellingham MA 02019
Phone: 508 966 1301 • Fax: 508 966 4063 • www.jordilabs.com • info@jordilabs.com

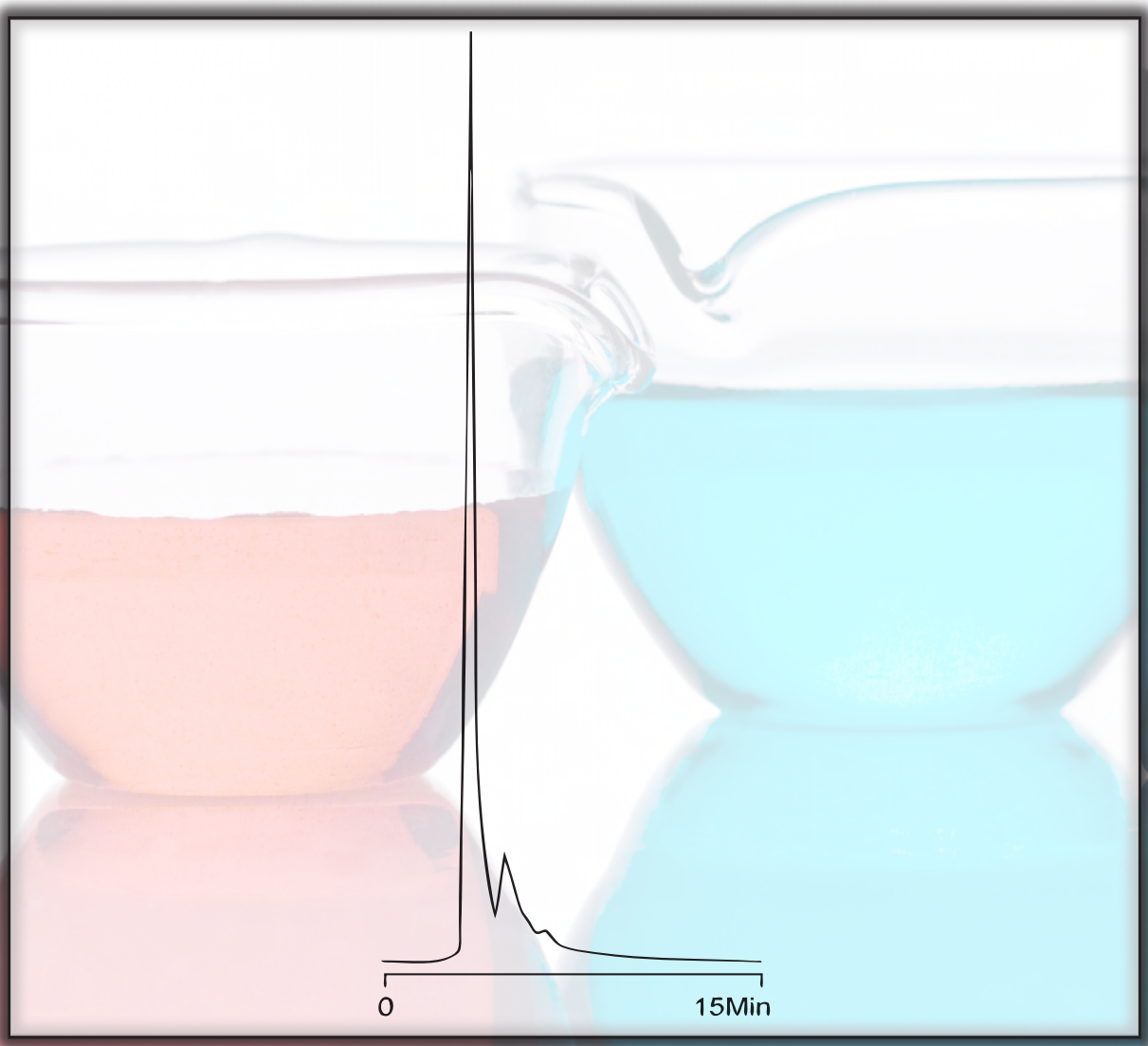
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

AMPICILLIN

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**50/50 ACN/0.05M KH_2PO_4**
Flow Rate:	**0.7mL/min.**
Injection:	**3µL of 14mg/mL**
Temperature:	**25°C**
Detector:	**UV @210nm 2.0 AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

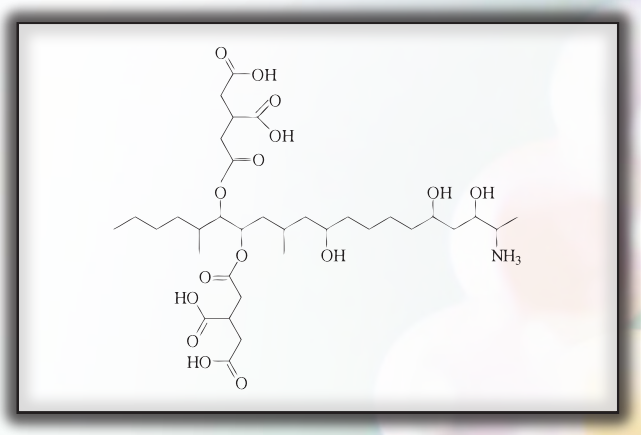
JORDI

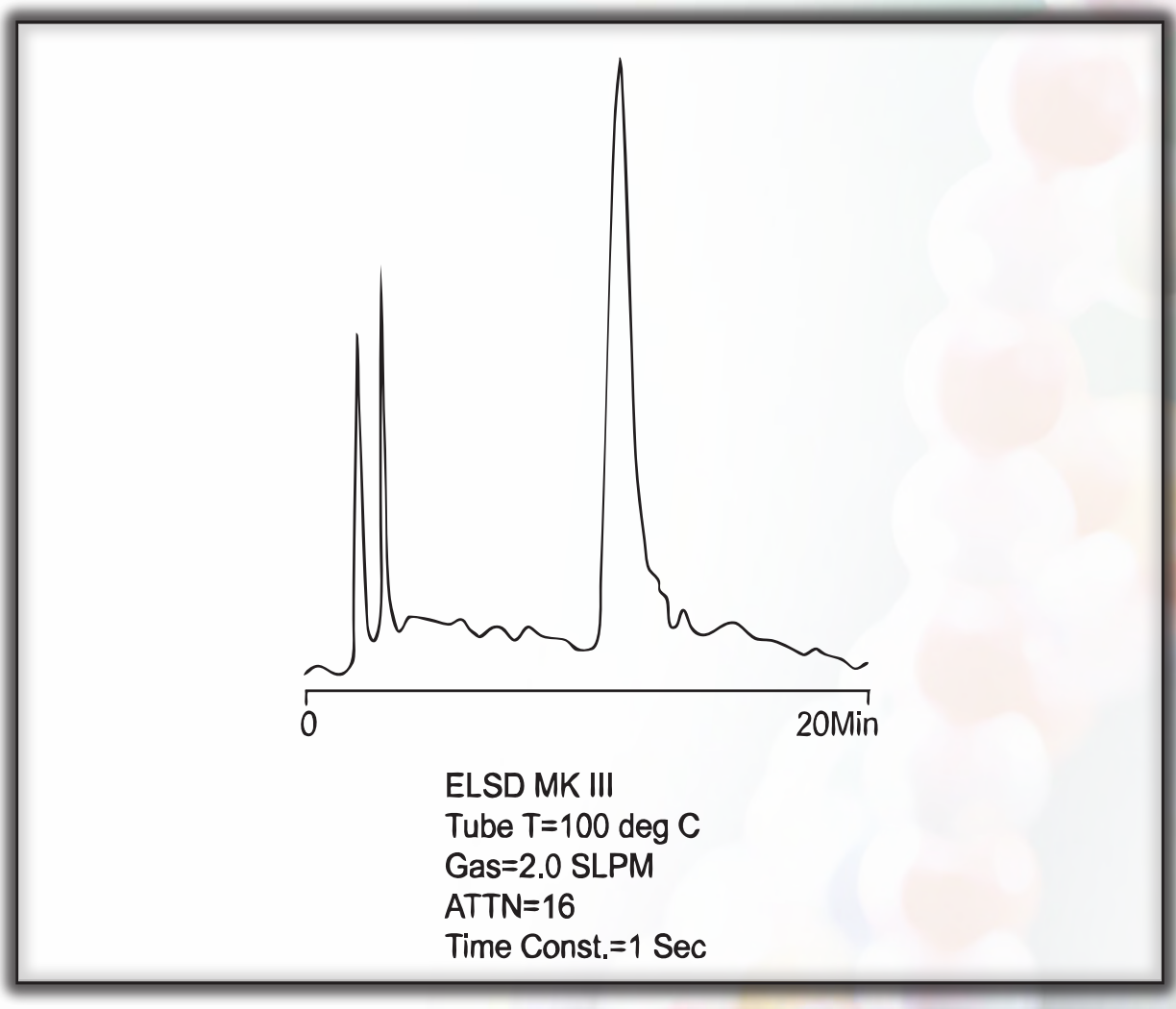
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

FUMONISIN B_1
(From Fusarium Moniliforme)

Part Number:	**18501**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**25cm X 4.6mm ID**
Solvent:	**50/25/25 H_2O/ACN/MeOH pH=3.5 w/Acetic Acid**
Flow Rate:	**1.0mL/min.**
Injection:	**250µL of 250ppm Solution in MeOH/H_2O (80/20)**
Temperature:	**40°C**
Detector:	**Evaporative Light Scattering**





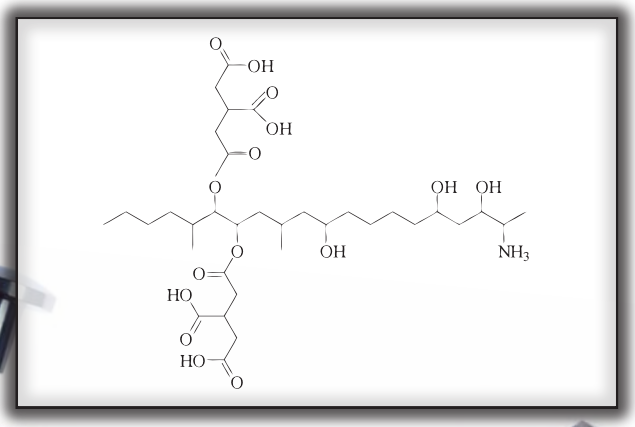
JORDI

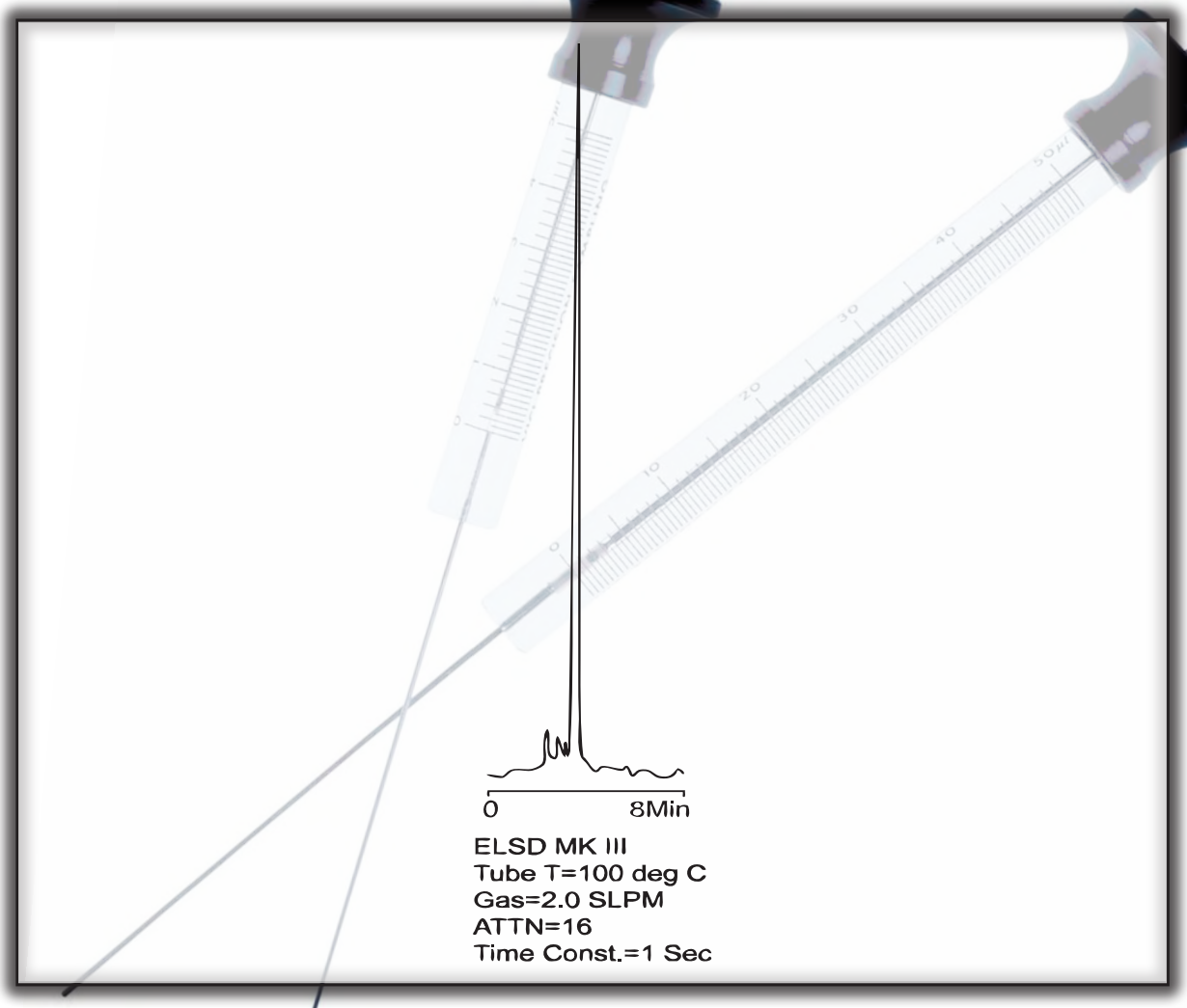
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

FUMONISIN B_1
(From Fusarium Moniliforme)

Part Number:	**18501**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**25cm X 4.6mm ID**
Solvent:	**50/25/25 H_2O/MeOH/ACN pH=3.0 w/Acetic Acid**
Flow Rate:	**1.0mL/min.**
Injection:	**250µL of 250ppm Solution in MeOH/H_2O (80/20)**
Temperature:	**40°C**
Detector:	**Evaporative Light Scattering**





Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

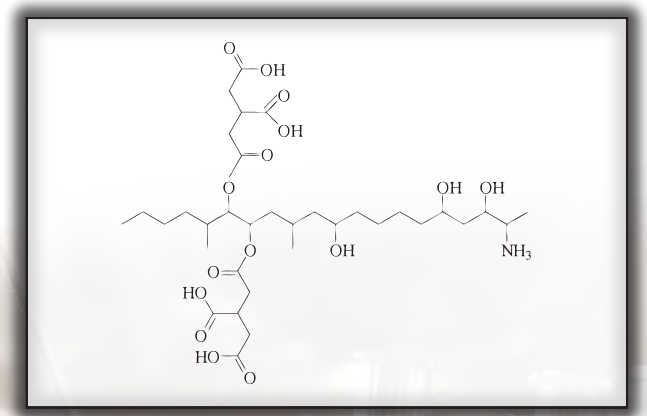
JORDI

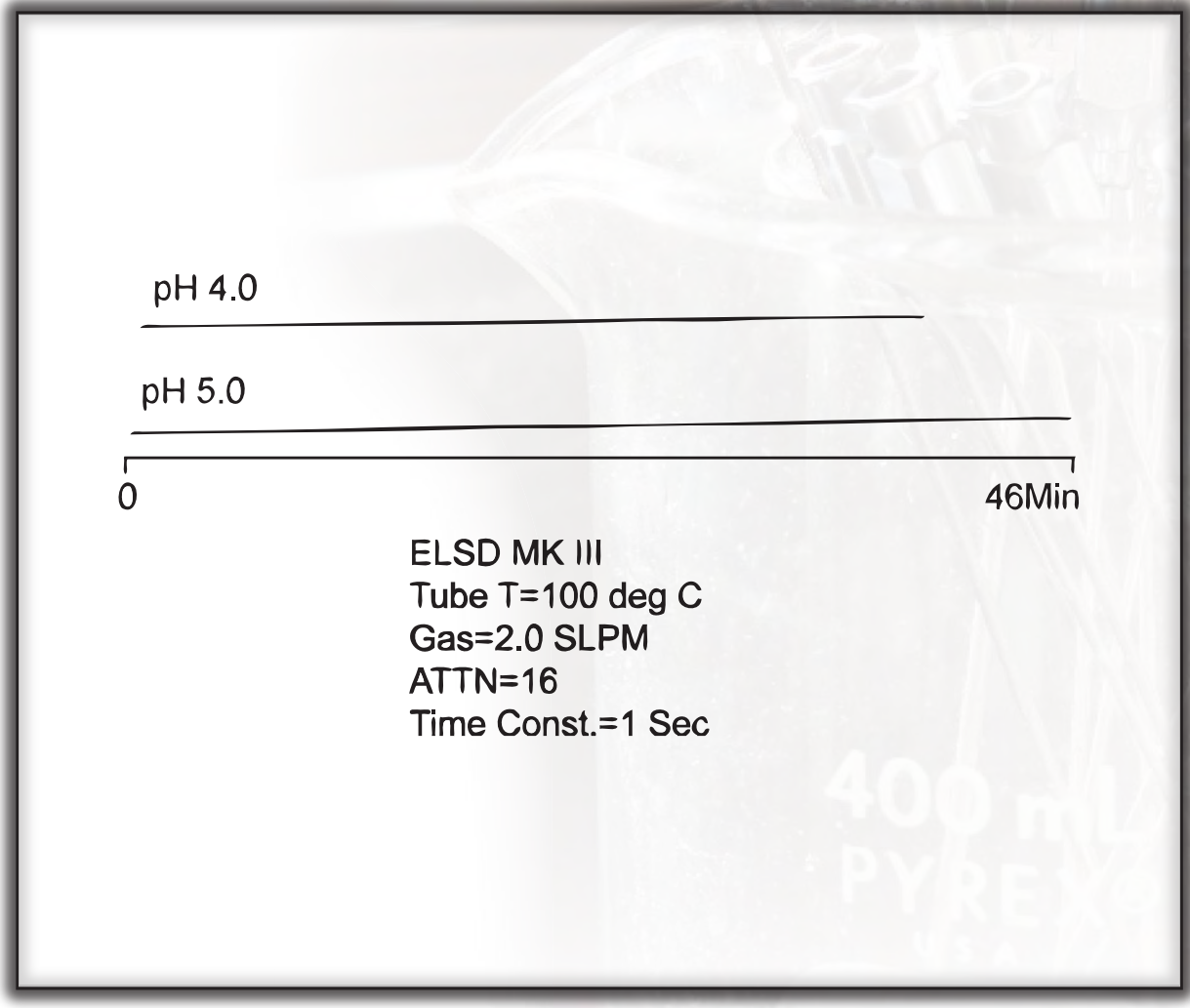
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

FUMONISIN B_1
(From Fusarium Moniliforme)

Part Number: 18501
Packing: Jordi DVB C_{18} 500Å
Column: 25cm X 4.6mm ID
Solvent: 50/25/25 H_2O/MeOH/ACN
pH=4.0/5.0 w/Acetic Acid
Flow Rate: 1.0mL/min.
Injection: 250µL of 250ppm Solution in MeOH/H_2O (80/20)
Temperature: 40°C
Detector: Evaporative Light Scattering





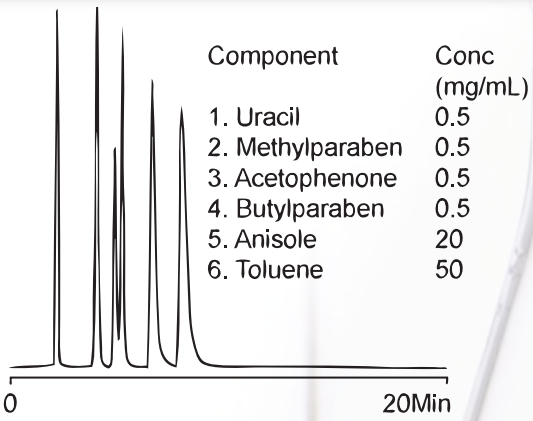
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

REVERSE PHASE STANDARD MIX
(New Mobile Phase)

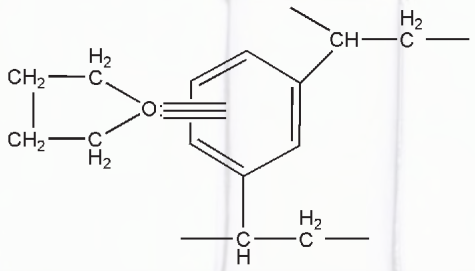
Part Number: 18501
Packing: Jordi DVB C_{18} 500Å
Column: 25cm X 4.6mm ID
Solvent: 60/40 THF/H_2O
Flow Rate: 1.0mL/min.
Injection: 5µL
Temperature: 50°C
Detector: UV @254nm



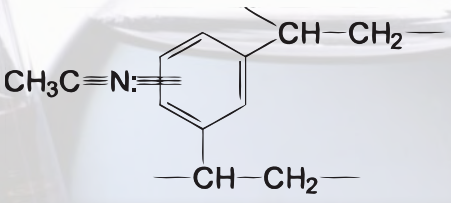
Peak	Retention Time (min)	Capacity Factor	Symmetry	Efficiency (Plates/m)
1	2.45	0.00	1.4	24116
2	4.25	0.74	1.7	30218
3	5.05	1.06	1.2	34718
4	5.38	1.20	1.3	36591
5	6.70	1.74	3.2	20225
6	8.02	2.28	4.2	14680

Note: The importance of solvent/column interaction using Jordi DVB columns *cannot* be overemphasized. We have found that a 50/50/ mix of MeOH/ACN for the strong solvent is adequate for many Reverse-Phase separations and is better than either alone. We have now observed that the use of THF/ACN as strong solvent is often better than MeOH/ACN. In general Lewis bases (electron donor solvents) deactivate the aromatic rings and often dramatically increase the column efficiencies. The following data describes some Reverse Phase results for our 500Å DVB Column.

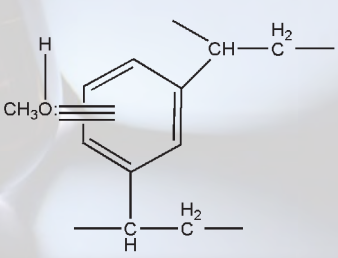
Strongest Deactivator



Intermediate Deactivator



Weakest Deactivator



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

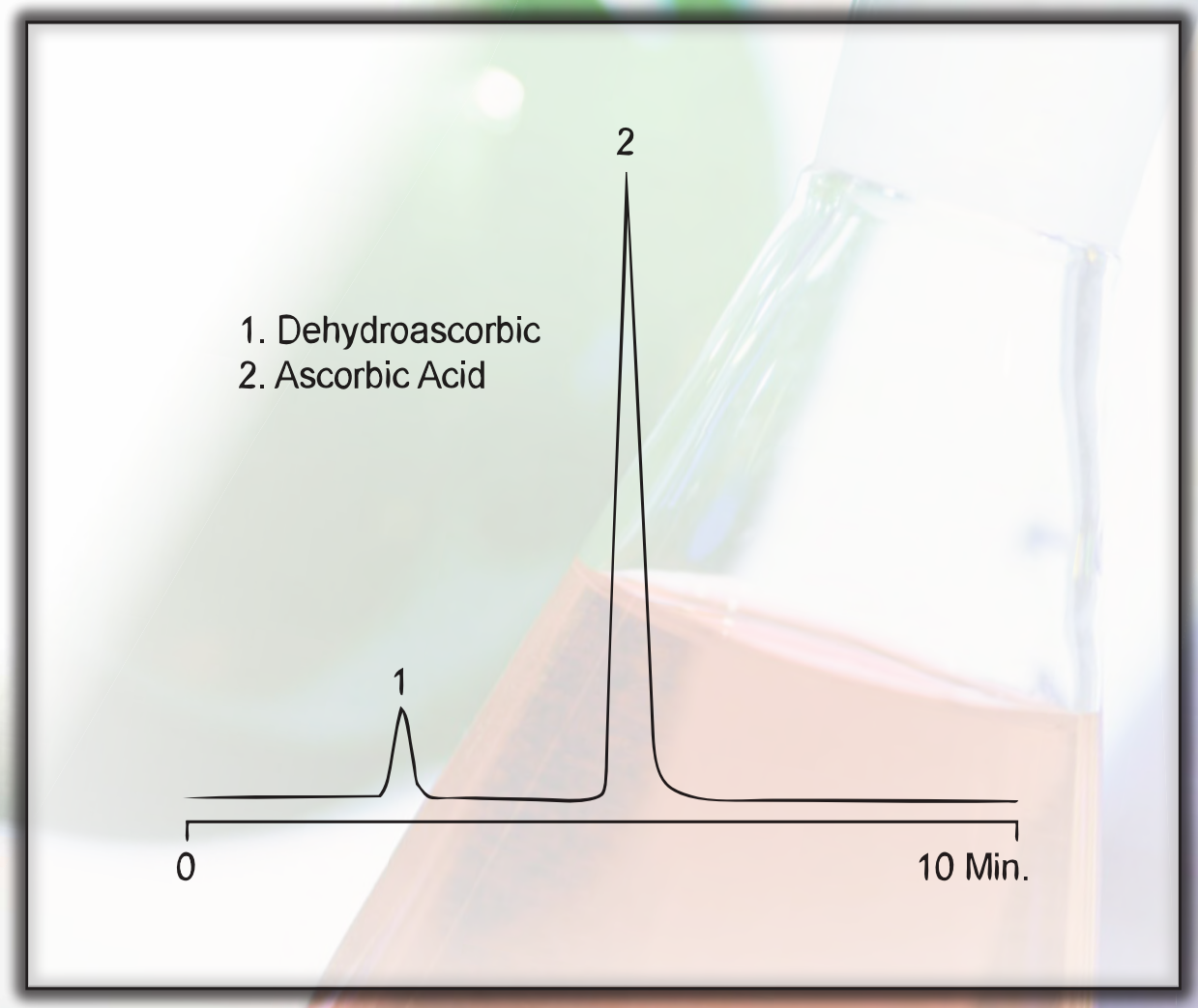
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

ASCORBIC and DEHYDROASCORBIC ACID

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**40:60 Water (pH 2.7 w/ Acetic Acid)/Acetonitrile/Methanol (5:1)**
Flow Rate:	**0.7mL/min.**
Injection:	**10µL**
Concentration:	**1mg/mL**
Temperature:	**Ambient**
Detector:	**ELSD**



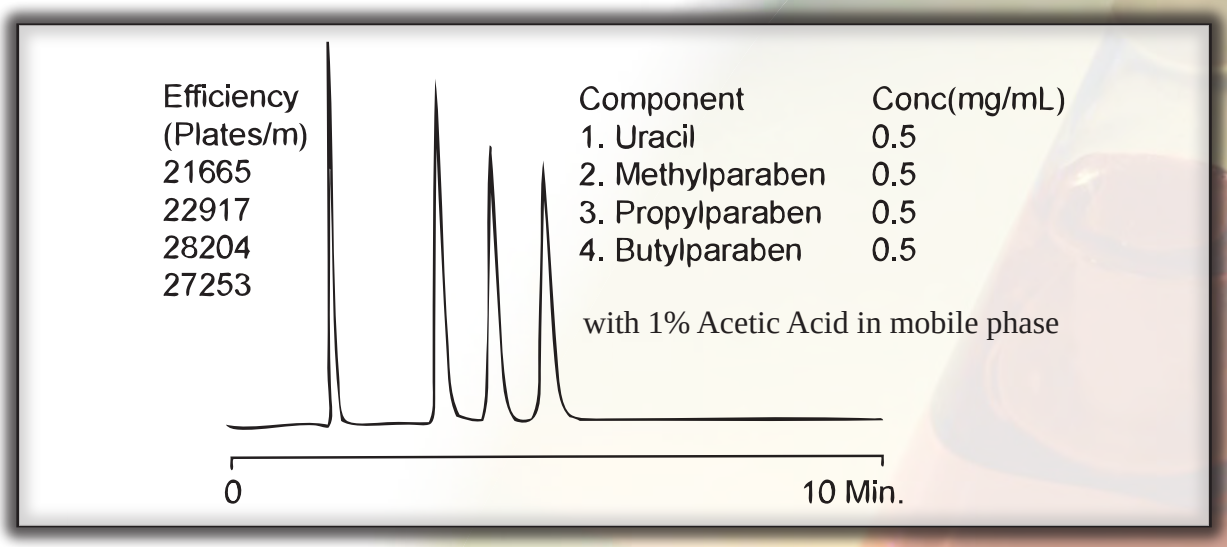
JORDI

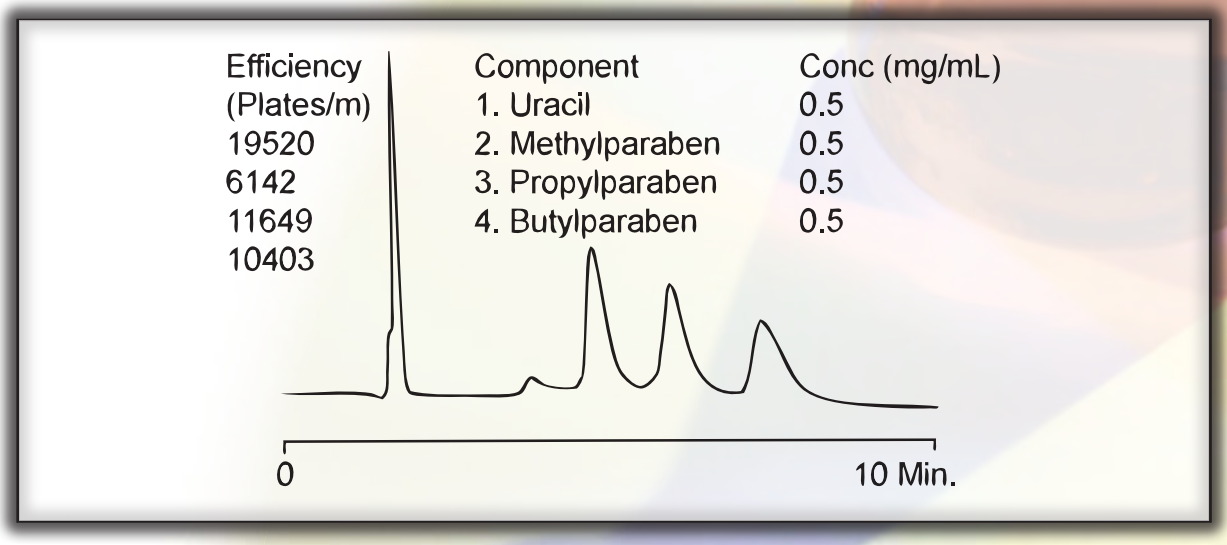
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

RP MIX

Part Number:	**18500**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**10/20/30/40 MeOH/ACN/THF/H_2O**
Flow Rate:	**1.0mL/min.**
Injection:	**5µL**
Concentration:	**N/A**
Temperature:	**50°C**
Detector:	**UV @254nm, Sens. 2.0 AUFS, Press. 1900 psig**





Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

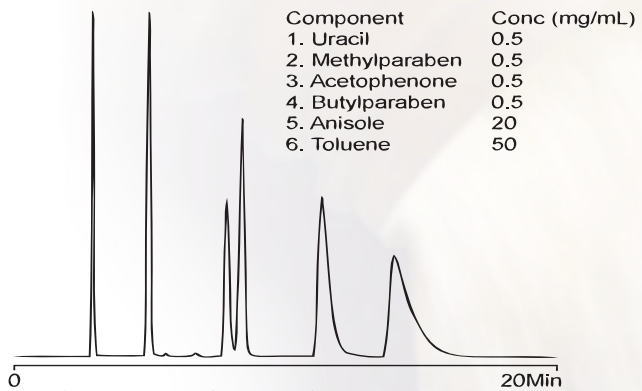
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

REVERSE PHASE STANDARD MIX
(New Mobile Phase)

Part Number: 18501
Packing: Jordi DVB C_{18} 500Å
Column: 25cm X 4.6mm ID
Solvent: 50/25/25 ACN/MeOH/H_2O
Flow Rate: 1.0mL/min.
Injection: 1µL
Temperature: Ambient
Detector: UV @254nm

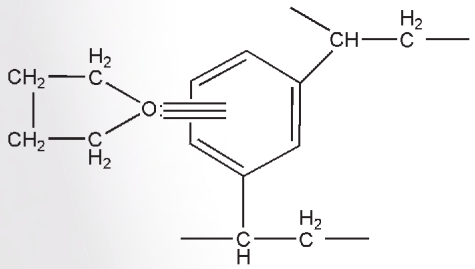


Solvent: 50/25/25 ACN/MeOH/H_2O
Temp: 50°C

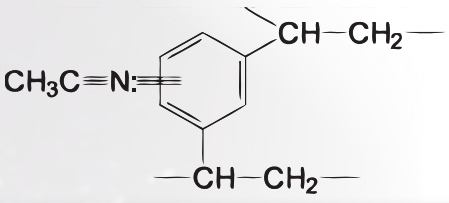
Peak	Retention Time (min)	Capacity Factor	Symmetry	Efficiency (Plates/m)
1	2.91	0.00	1.4	37379
2	4.97	0.71	1.1	39051
3	7.86	1.70	1.0	40723
4	8.4	1.89	0.9	38454
5	11.33	2.90	2.7	16730
6	13.98	3.81	4.8	6857

Note: The importance of solvent/column interaction using Jordi DVB columns *cannot* be overemphasized. We have found that a 50/50/ mix of MeOH/ACN for the strong solvent is adequate for many Reverse-Phase separations and is better than either alone. We have now observed that the use of THF/ACN as strong solvent is often better than MeOH/ACN. In general Lewis bases (electron donor solvents) deactivate the aromatic rings and often dramatically increase the column efficiencies. The following data describes some Reverse Phase results for our 500Å DVB Column.

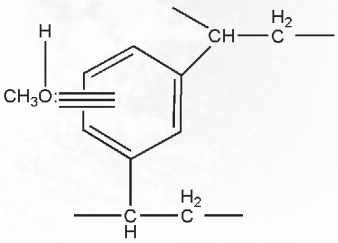
Strongest Deactivator



Intermediate Deactivator



Weakest Deactivator



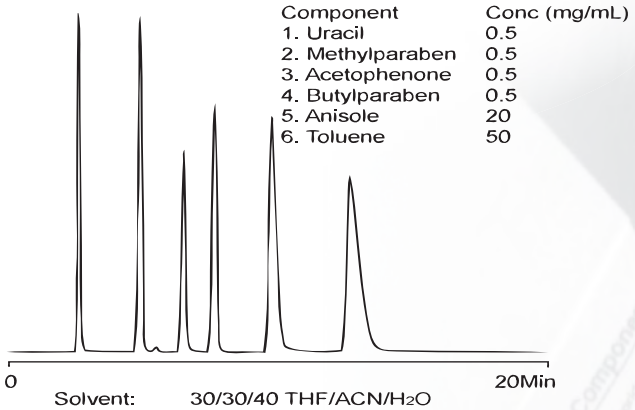
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

REVERSE PHASE STANDARD MIX
(New Mobile Phase)

Part Number: 18501
Packing: Jordi DVB C_{18} 500Å
Column: 25cm X 4.6mm ID
Solvent: 30/30/40 THF/ACN/H_2O
Flow Rate: 1.0mL/min.
Injection: 5µL
Temperature: 60°C
Detector: UV @254nm

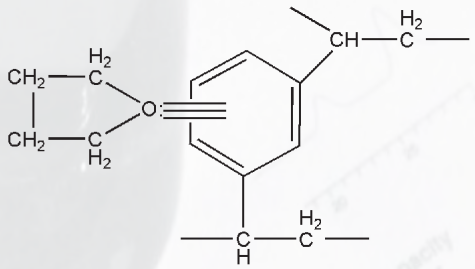


Solvent: 30/30/40 THF/ACN/H_2O
Temp: Ambient

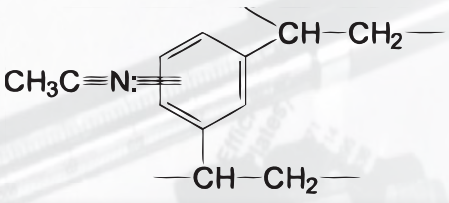
Peak	Retention Time (min)	Capacity Factor	Symmetry	Efficiency (Plates/m)
1	2.68	0.00	1.6	31821
2	4.94	0.84	1.0	37592
3	6.57	1.45	0.9	40653
4	7.70	1.87	0.8	37050
5	9.81	2.65	1.8	29613
6	12.69	3.73	2.8	17307

Note: The importance of solvent/column interaction using Jordi DVB columns *cannot* be overemphasized. We have found that a 50/50/ mix of MeOH/ACN for the strong solvent is adequate for many Reverse-Phase separations and is better than either alone. We have now observed that the use of THF/ACN as strong solvent is often better than MeOH/ACN. In general Lewis bases (electron donor solvents) deactivate the aromatic rings and often dramatically increase the column efficiencies. The following data describes some Reverse Phase results for our 500Å DVB Column.

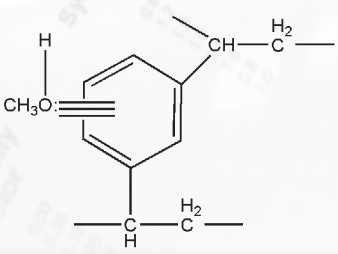
Strongest Deactivator



Intermediate Deactivator



Weakest Deactivator



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

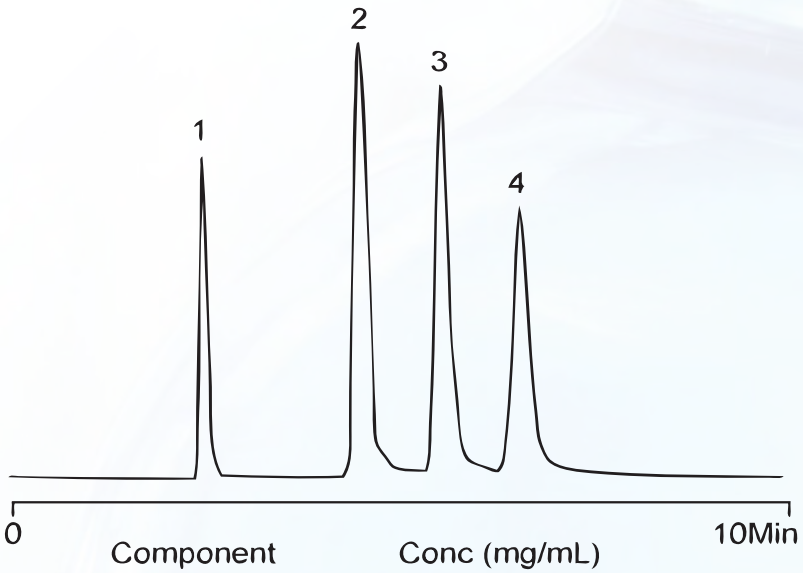
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

REVERSE PHASE MIX

Part Number: 18500
Packing: Jordi DVB C_{18} 500Å
Column: 15cm X 4.6mm ID
Mobile Phase: 10/20/30/40 MeOH/ACN/THF/H_2O
Flow Rate: 1.0mL/min.
Injection: 5µL
Temperature: 50°C
Detector: UV @254nm, 2.0 AUFS



Component	Conc (mg/mL)
1. Uracil	0.5
2. Methylparaben	0.5
3. Propylparaben	0.5
4. Butylparaben	0.5

Peak	Retention Time (min)	Capacity Factor	Symmetry	Efficiency (Plates/m)
1	2.53	0.00	1.5	16659
2	4.54	0.79	1.5	22881
3	5.61	1.21	1.4	28296
4	6.61	1.61	1.5	30959

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

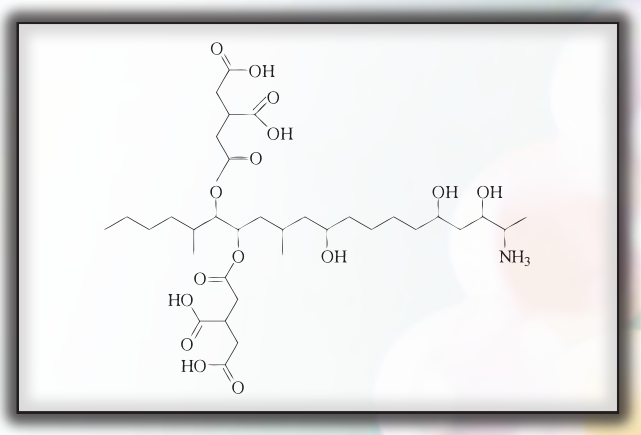
JORDI

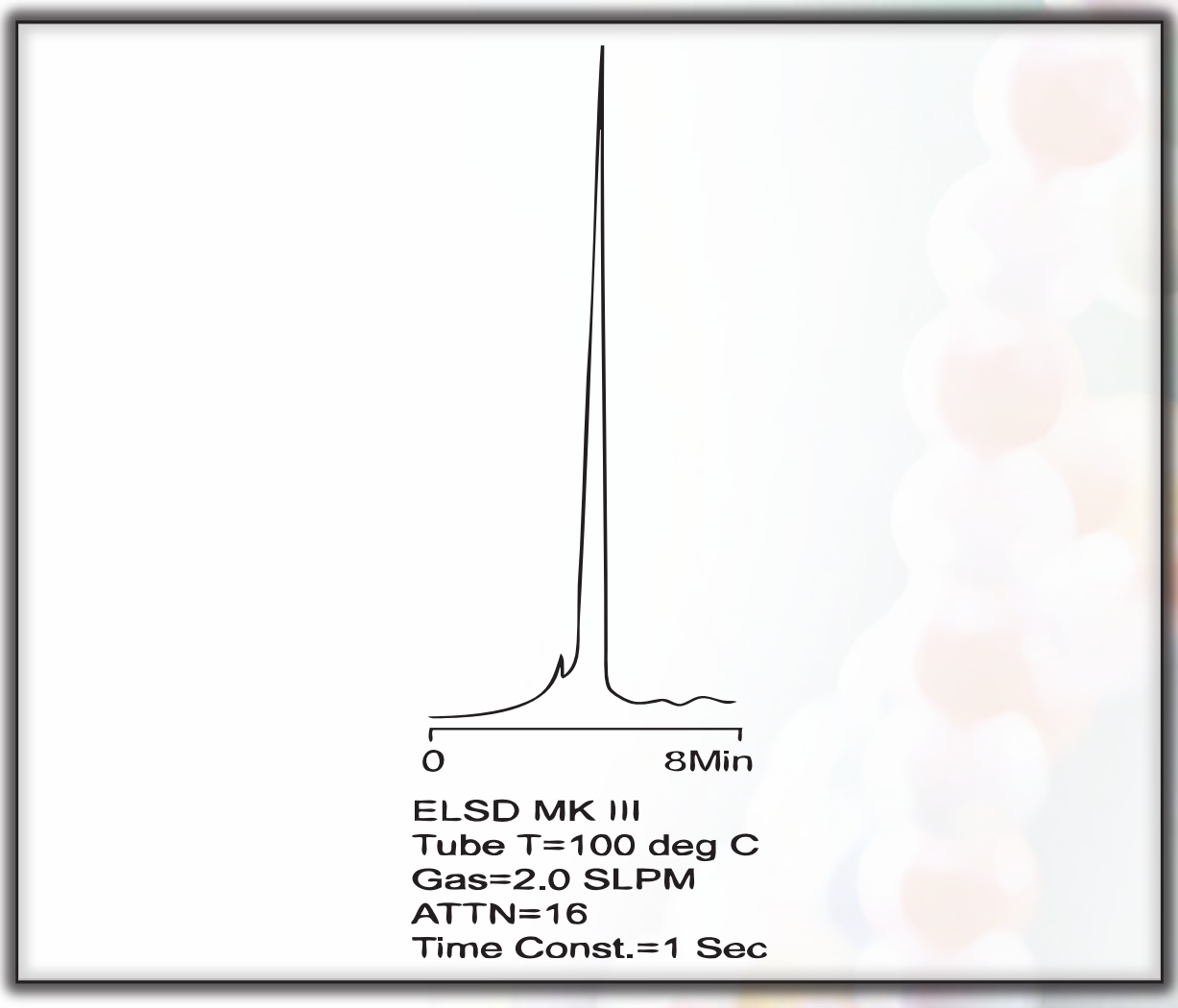
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

FUMONISIN B_1
(From Fusarium Moniliforme)

Part Number:	**18501**
Packing:	**Jordi DVB C_{18} 500Å**
Column:	**25cm X 4.6mm ID**
Solvent:	**50/25/25 H_2O/MeOH/ACN pH=2.7 w/Formic Acid**
Flow Rate:	**1.0mL/min.**
Injection:	**250µL of 250ppm Solution in MeOH/H_2O (80/20)**
Temperature:	**40°C**
Detector:	**Evaporative Light Scattering,**





Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

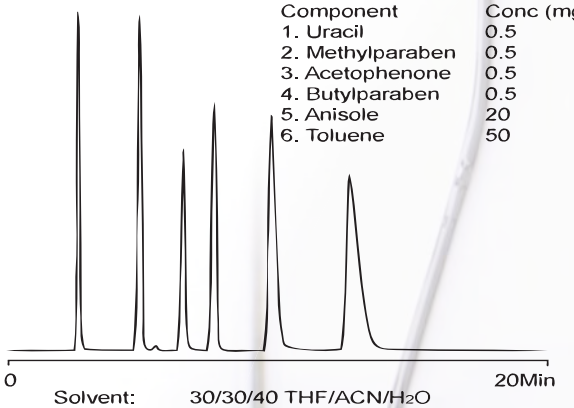
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

REVERSE PHASE STANDARD MIX
(New Mobile Phase)

Part Number: 18501
Packing: Jordi DVB C_{18} 500Å
Column: 25cm X 4.6mm ID
Solvent: 30/30/40 THF/ACN/H_2O
Flow Rate: 1.0mL/min.
Injection: 5µL
Temperature: 60°C
Detector: UV @254nm

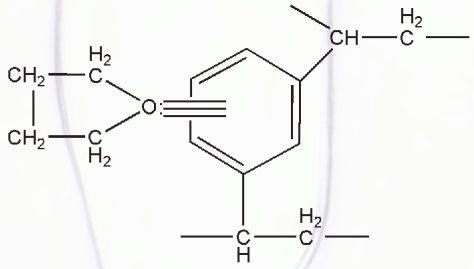


Solvent: 30/30/40 THF/ACN/H_2O
Temp: Ambient

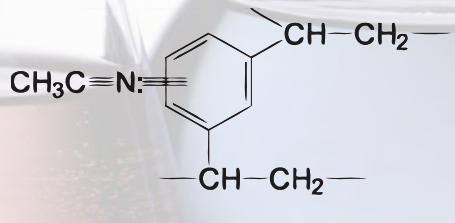
Peak	Retention Time (min)	Capacity Factor	Symmetry	Efficiency (Plates/m)
1	2.68	0.00	1.6	31821
2	4.94	0.84	1.0	37592
3	6.57	1.45	0.9	40653
4	7.70	1.87	0.8	37050
5	9.81	2.65	1.8	29613
6	12.69	3.73	2.8	17307

Note: The importance of solvent/column interaction using Jordi DVB columns *cannot* be overemphasized. We have found that a 50/50/ mix of MeOH/ACN for the strong solvent is adequate for many Reverse-Phase separations and is better than either alone. We have now observed that the use of THF/ACN as strong solvent is often better than MeOH/ACN. In general Lewis bases (electron donor solvents) deactivate the aromatic rings and often dramatically increase the column efficiencies. The following data describes some Reverse Phase results for our 500Å DVB Column.

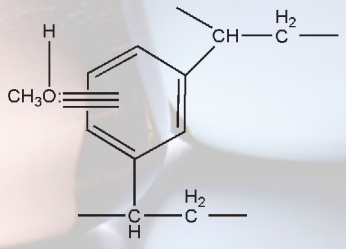
Strongest Deactivator



Intermediate Deactivator



Weakest Deactivator



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

DVB

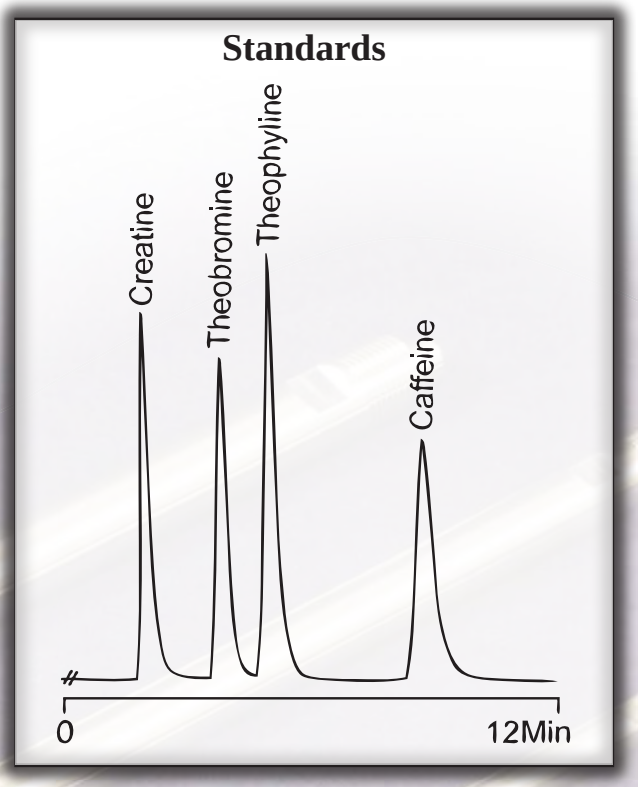
JORDI

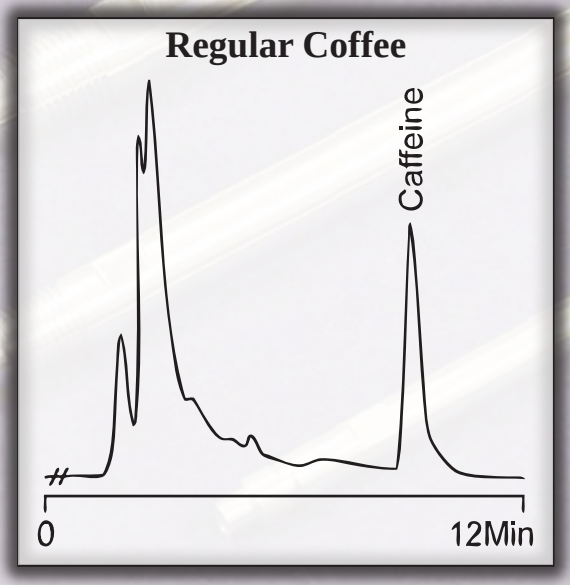
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

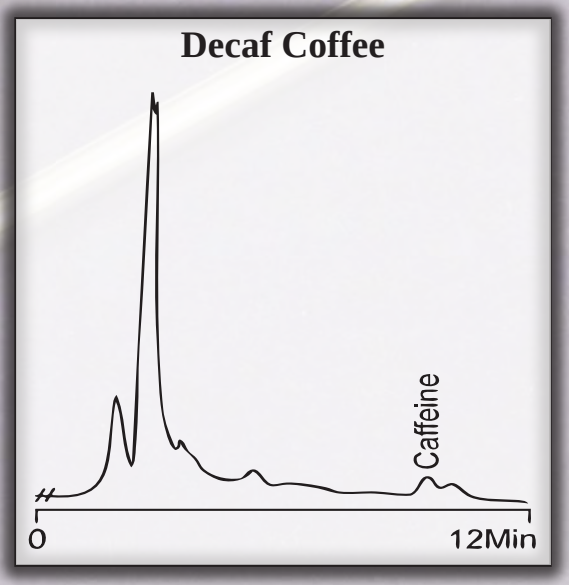
HPLC APPLICATION

CAFFEINE in COFFEE

Part Number:	**16502**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**50/15/35 0.01M $LiNO_3$/ACN/MeOH**
Flow Rate:	**0.5mL/min.**
Injection:	**50µL**
Temperature:	**25°C**
Detector:	**UV @254nm**







Jordi Labs • 4 Mill St • Bellingham MA 02019
Phone: 508 966 1301 • Fax: 508 966 4063 • www.jordilabs.com • info@jordilabs.com

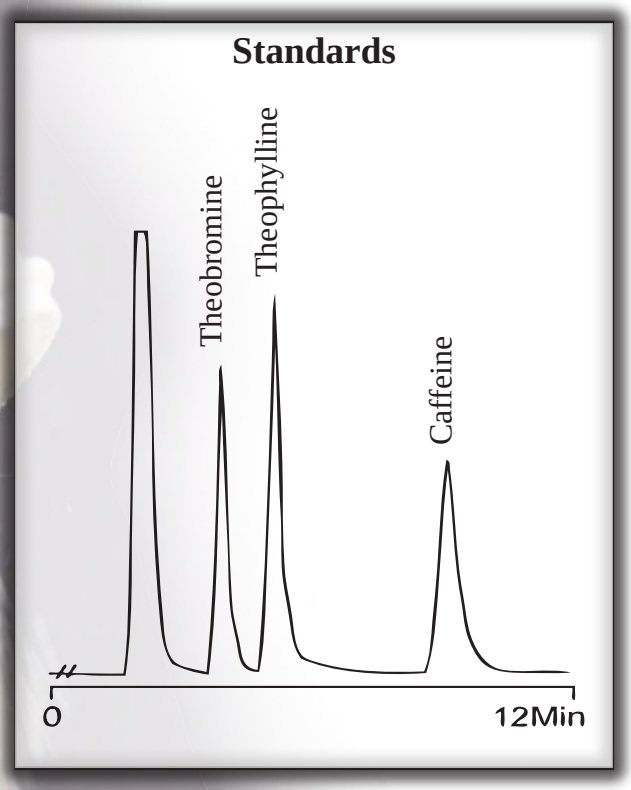
JORDI

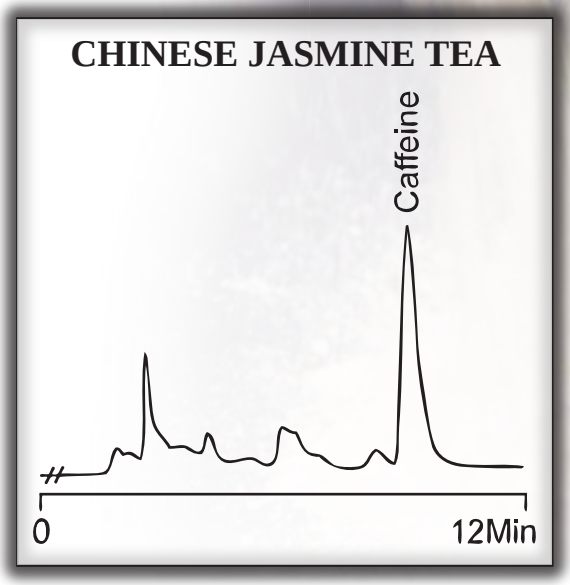
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

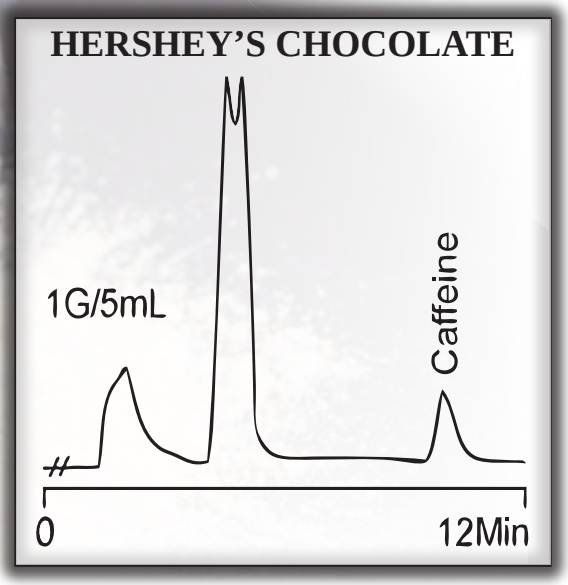
HPLC APPLICATION

CAFFEINE in TEA & CHOCOLATE

Part Number:	**16502**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**50/15/35 H_2O/ACN/MeOH**
	H_2O, 0.01M $LiNO_3$
Flow Rate:	**0.5mL/min.**
Injection:	**50µL**
Temperature:	**50°C**
Detector:	**UV @254nm**







Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

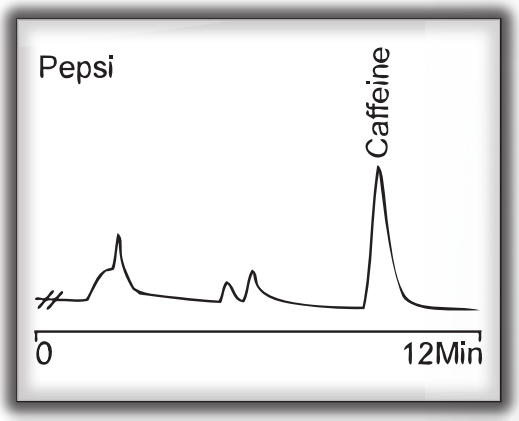
JORDI

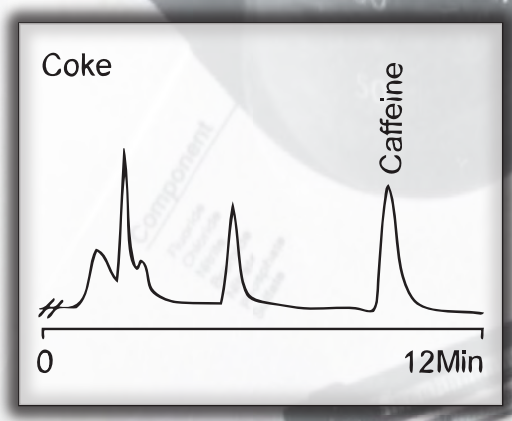
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

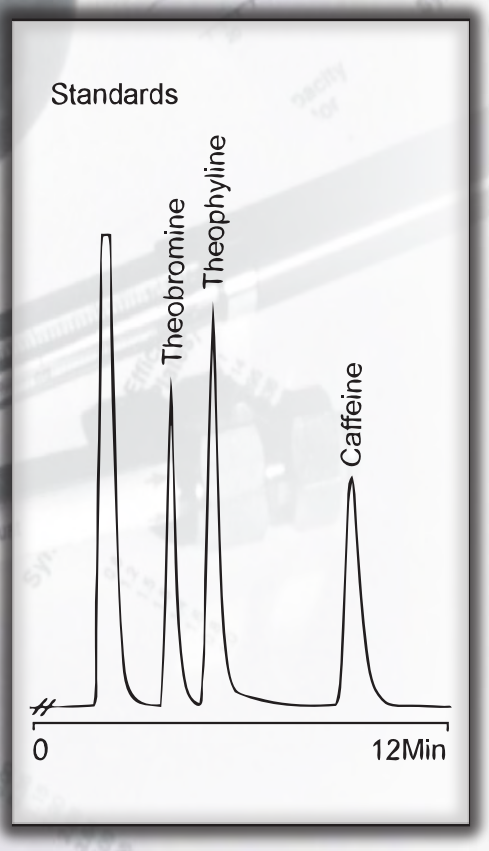
HPLC APPLICATION

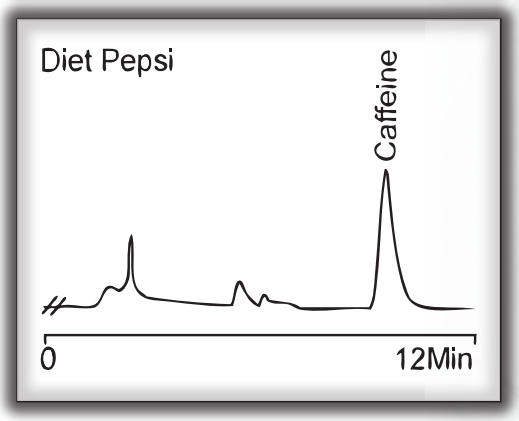
CAFFEINE in COKE & PEPSI

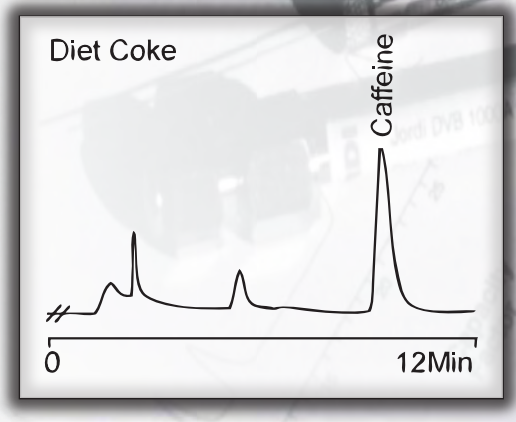
Part Number:	**16502**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**15cm X 4.6mm ID**
Solvent:	**50/15/35 0.01M $LiNO_3$/ACN/MeOH**
Flow Rate:	**0.5mL/min.**
Injection:	**50µL**
Temperature:	**50°C**
Detector:	**UV @254nm**











Jordi Labs • 4 Mill St • Bellingham MA 02019
Phone: 508 966 1301 • Fax: 508 966 4063 • www.jordilabs.com • info@jordilabs.com

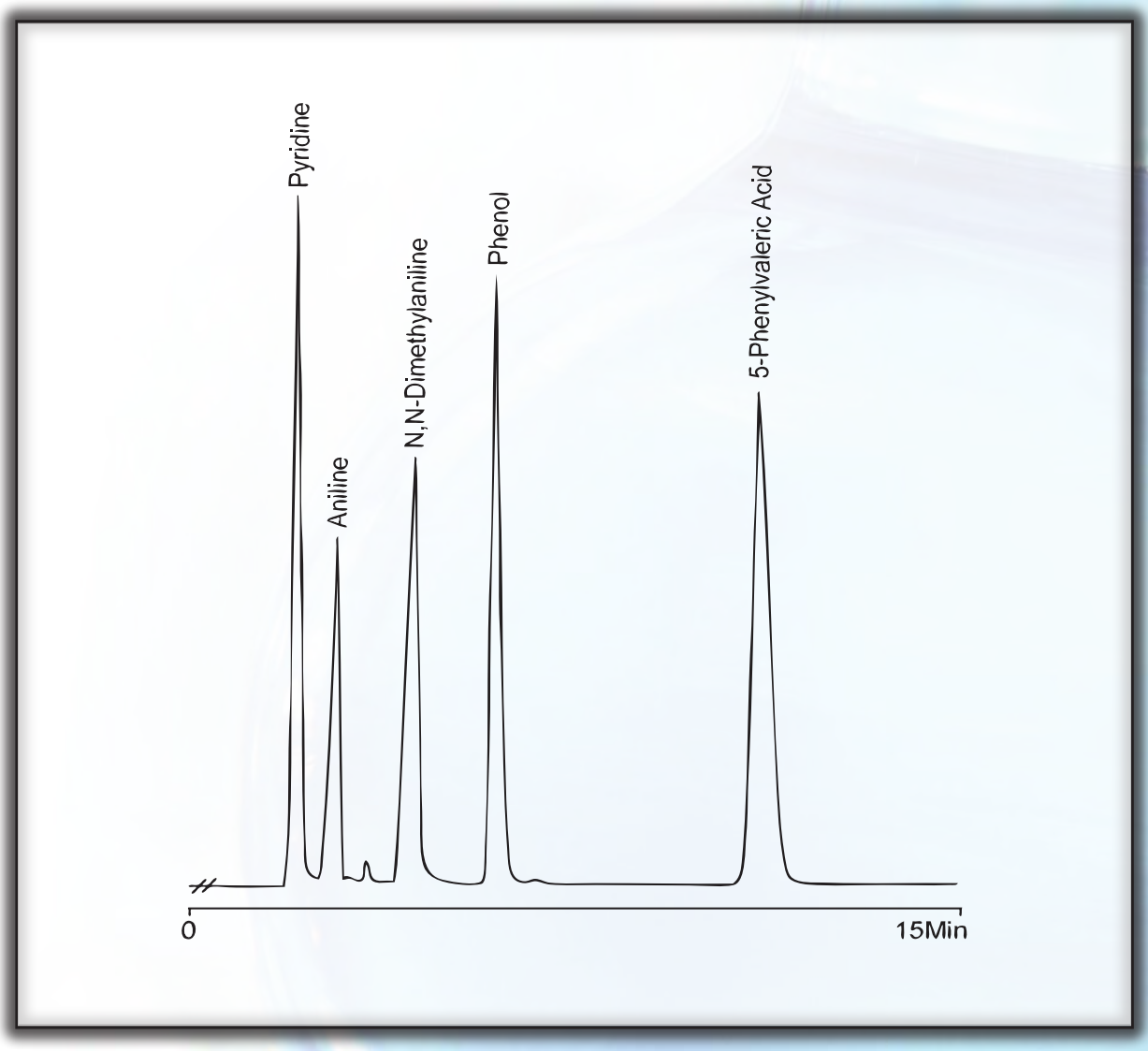
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

BASE-NEUTRAL-ACID TEST MIX

Part Number:	**16502**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**55/37.2/7.8 ACN/H_2O/MeOH**
	pH 3.0 w/0.05M Na_2HPO_4
Flow Rate:	**2.0mL/min.**
Injection:	**40µL**
Temperature:	**25°C**
Detector:	**UV @254nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

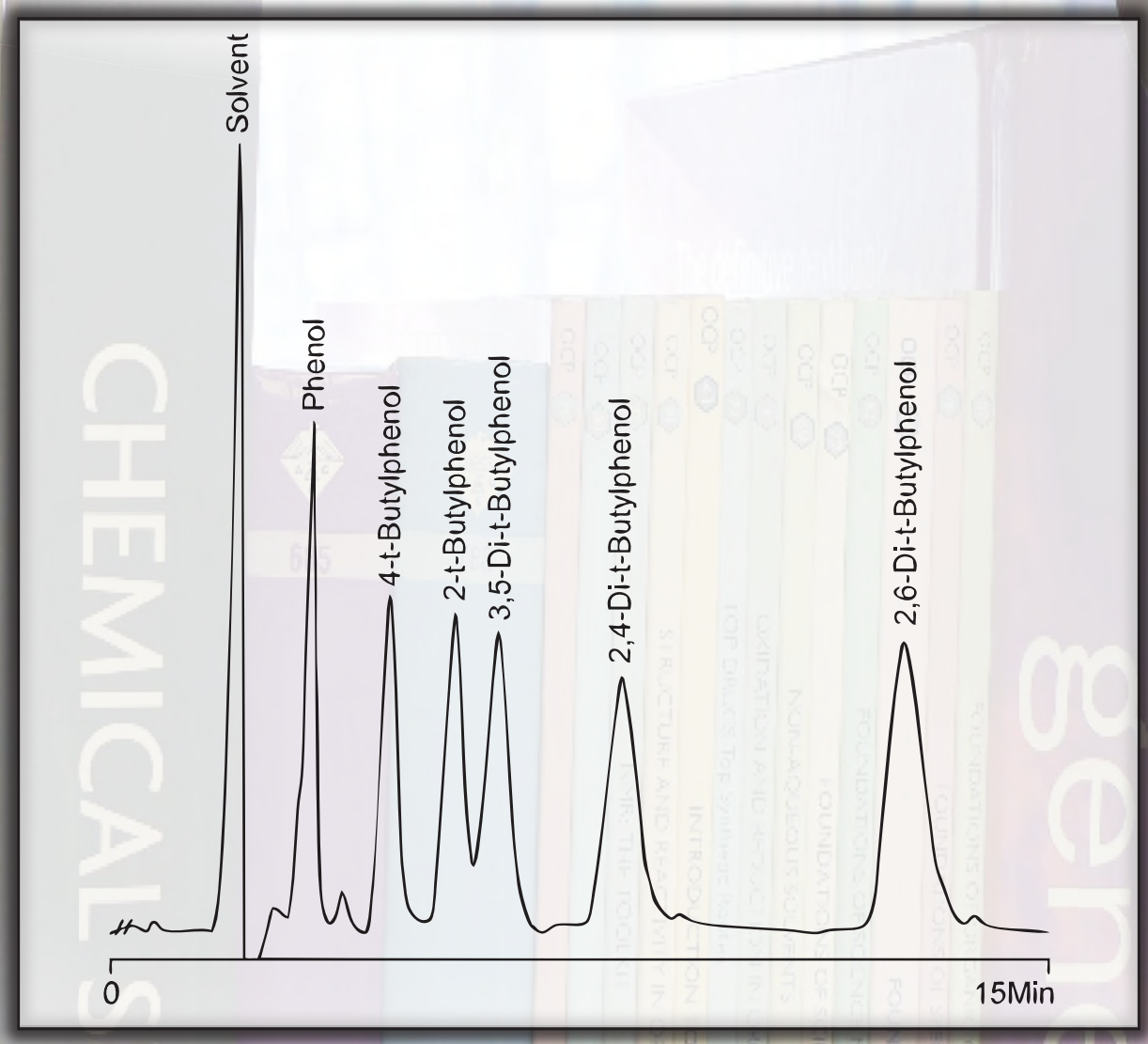
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

BUTYLPHENOL STANDARDS

Part Number:	**16502**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**80/20 ACN/H_2O w/0.05% TFA**
Flow Rate:	**2.0mL/min.**
Injection:	**20µL**
Temperature:	**25°C**
Detector:	**UV @254nm**



Jordi Labs • 4 Mill St • Bellingham MA 02019
Phone: 508 966 1301 • Fax: 508 966 4063 • www.jordilabs.com • info@jordilabs.com

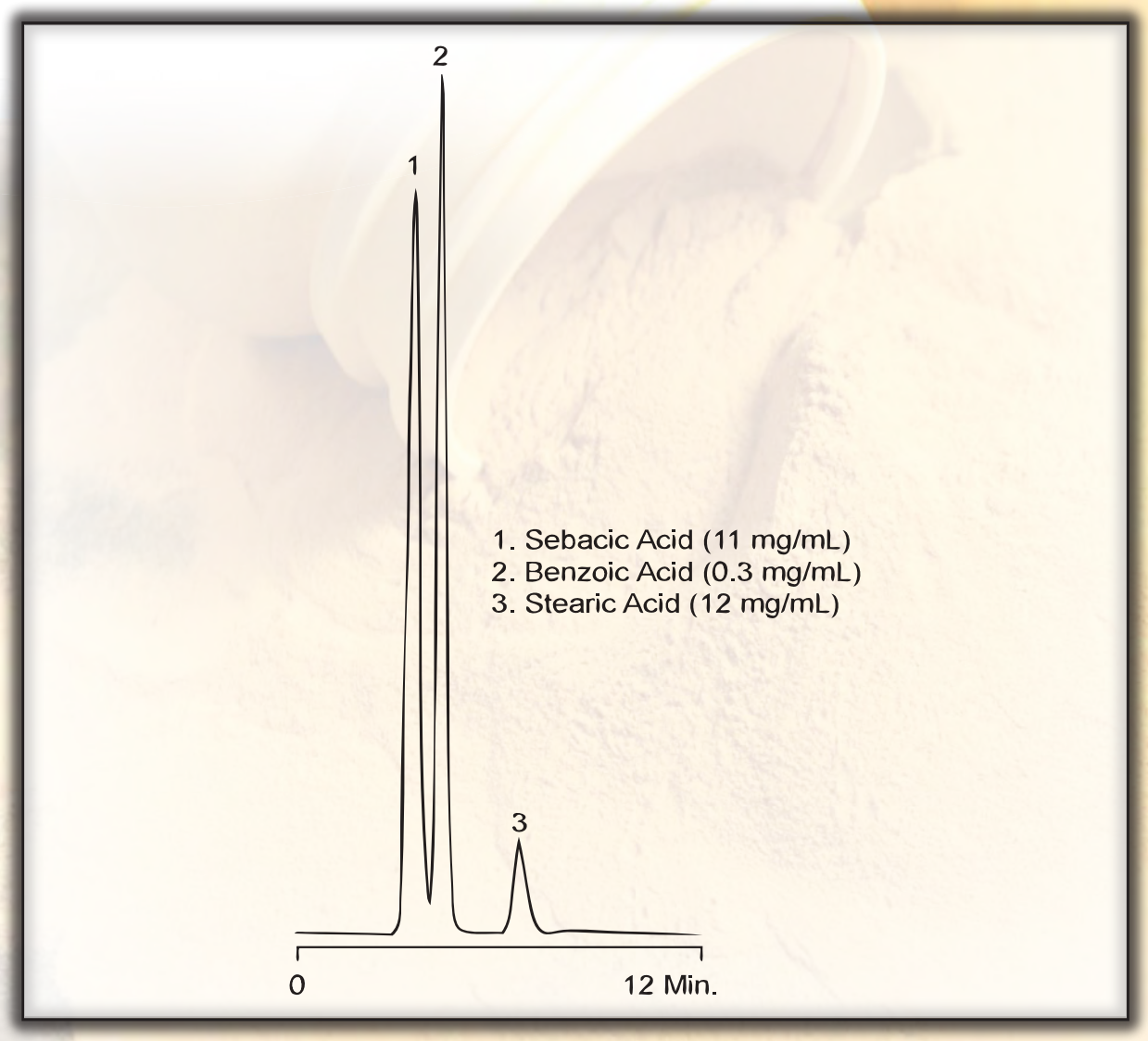
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

ORGANIC ACIDS

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**90/10 MeOH/THF**
Flow Rate:	**2.0mL/min.**
Injection:	**50µL**
Temperature:	**25°C**
Detector:	**UV @210nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

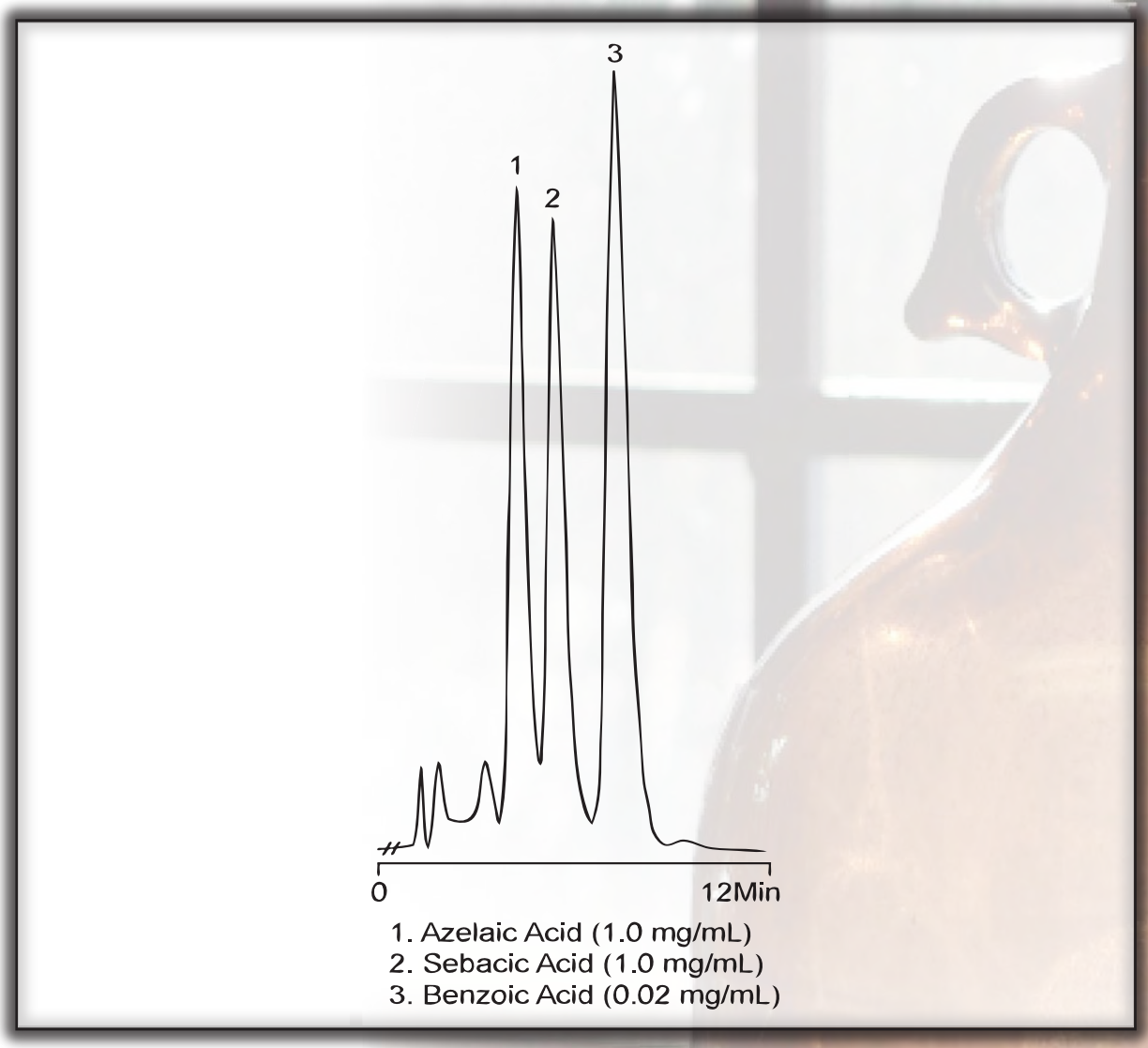
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

ORGANIC ACIDS

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**34.7/15.3/50 ACN/THF/H_2O**
	pH 3.0 w/ H_3PO_4
Flow Rate:	**2.0mL/min.**
Injection:	**150µL**
Temperature:	**25°C**
Detector:	**UV @210nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

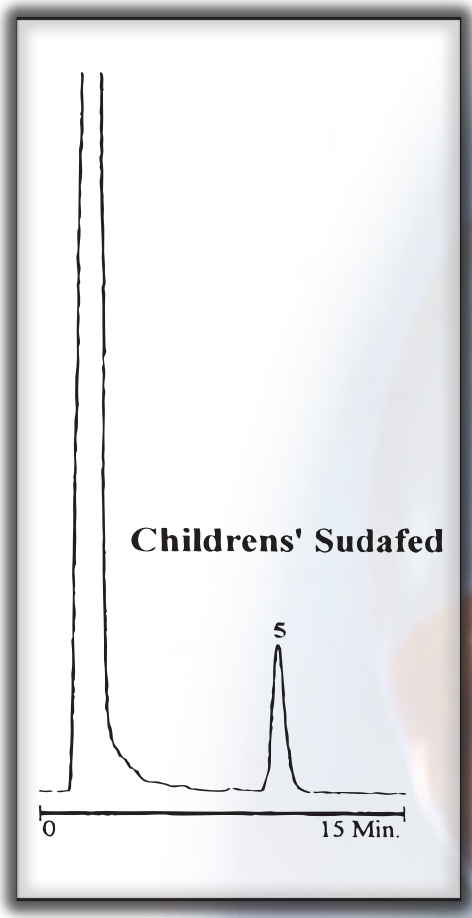
JORDI

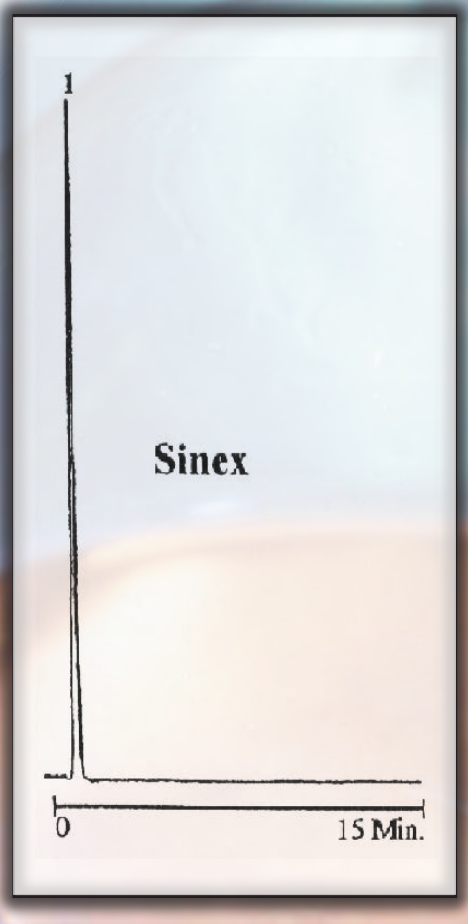
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

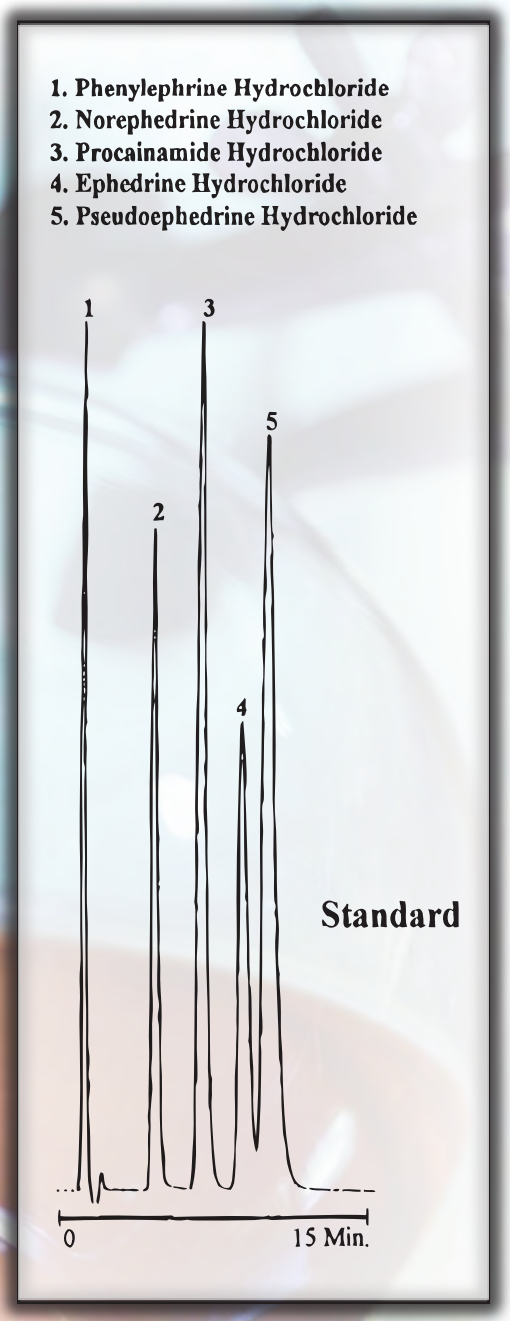
HPLC APPLICATION

VASOCONSTRICTORS

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**24/74/2 ACN/0.2M NaOH/Butylamine**
Flow Rate:	**3.0mL/min.**
Injection:	**100µL**
Temperature:	**25°C**
Detector:	**UV @254nm**







Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

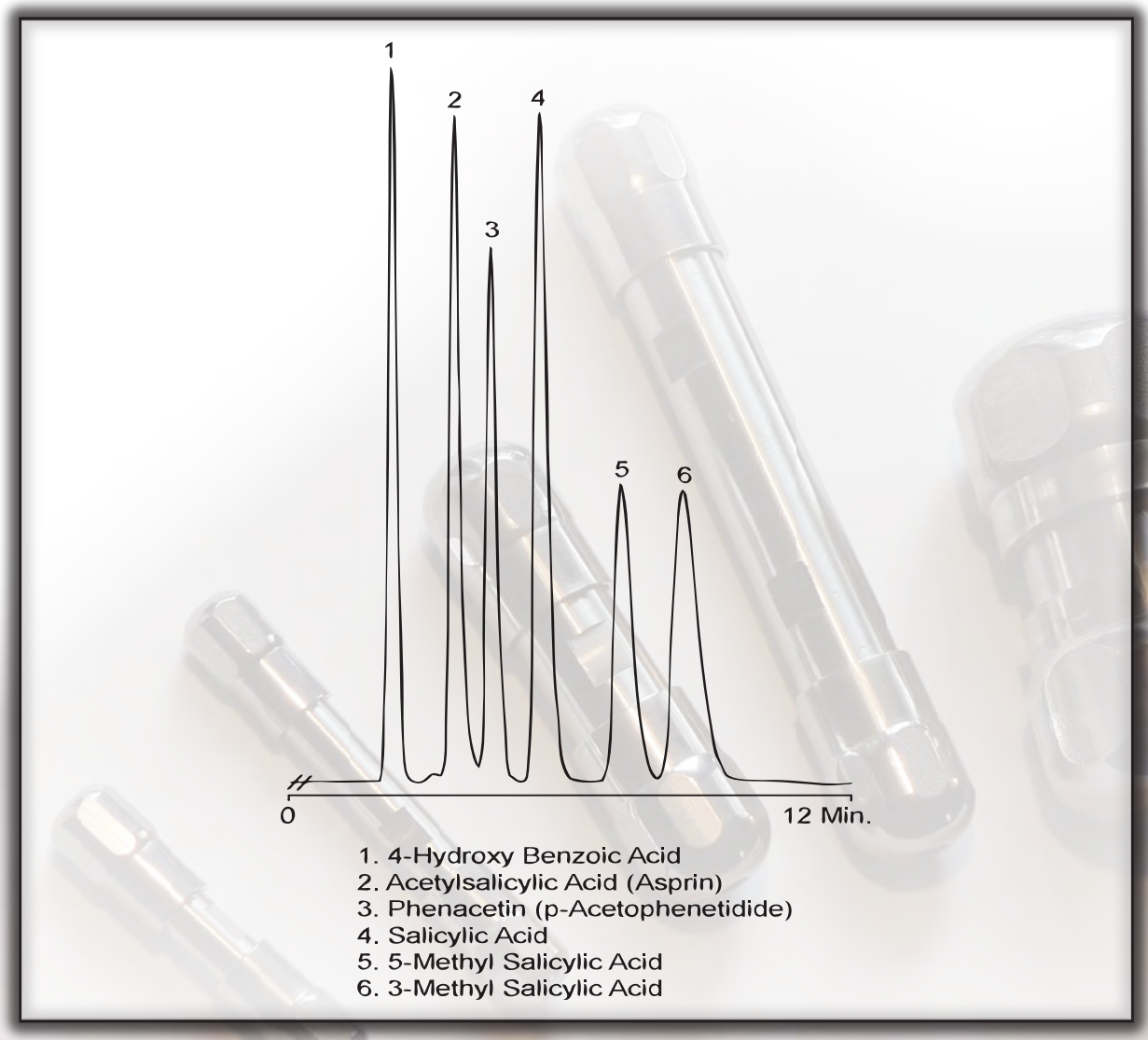
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

ASPIRIN and RELATED COMPOUNDS

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**50/50 ACN/H_2O w/0.05% TFA**
Flow Rate:	**3.0mL/min.**
Injection:	**100µL**
Temperature:	**25°C**
Detector:	**UV @254nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

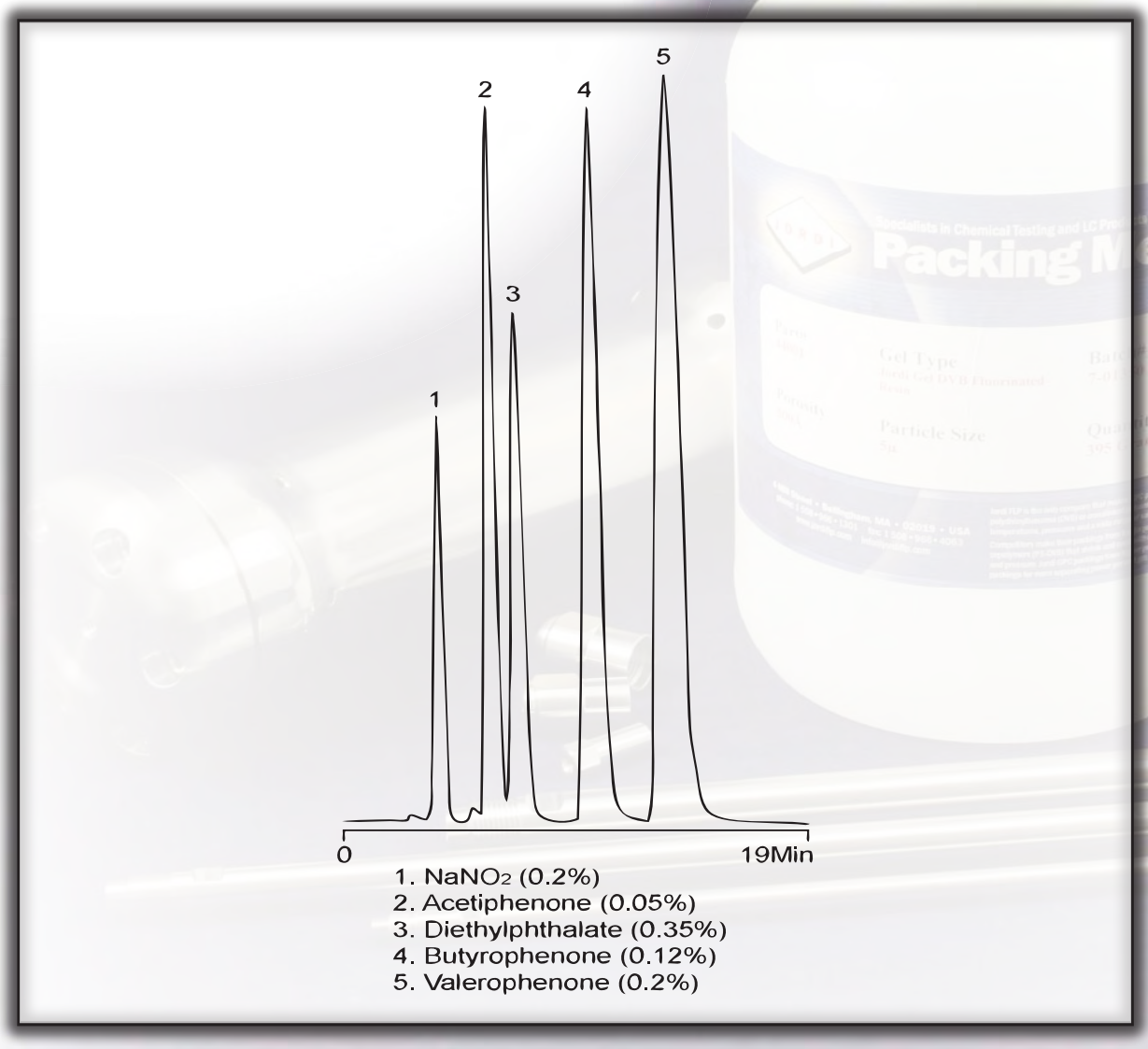
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

COLUMN TEST MIX

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**75/20/5 ACN/H_2O/MeOH w/0.1%TFA**
Flow Rate:	**2.0mL/min.**
Injection:	**20µL**
Temperature:	**25°C**
Detector:	**UV @254nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

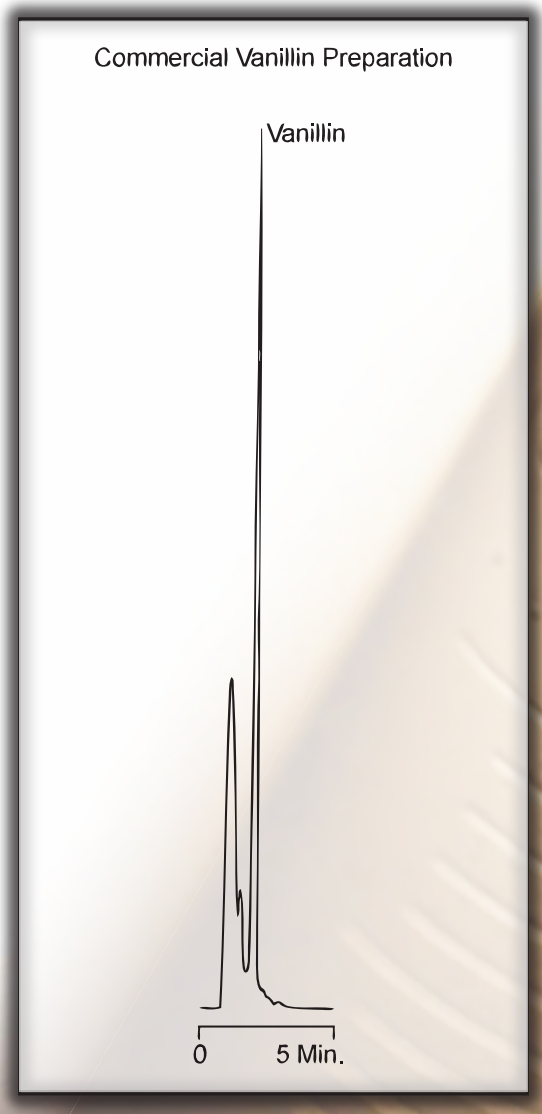
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

VANILLIN COMPOUNDS

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**80/20 ACN/H_2O w/0.1%TFA**
Flow Rate:	**3.0mL/min.**
Injection:	**10µL**
Temperature:	**25°C**
Detector:	**UV @235nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

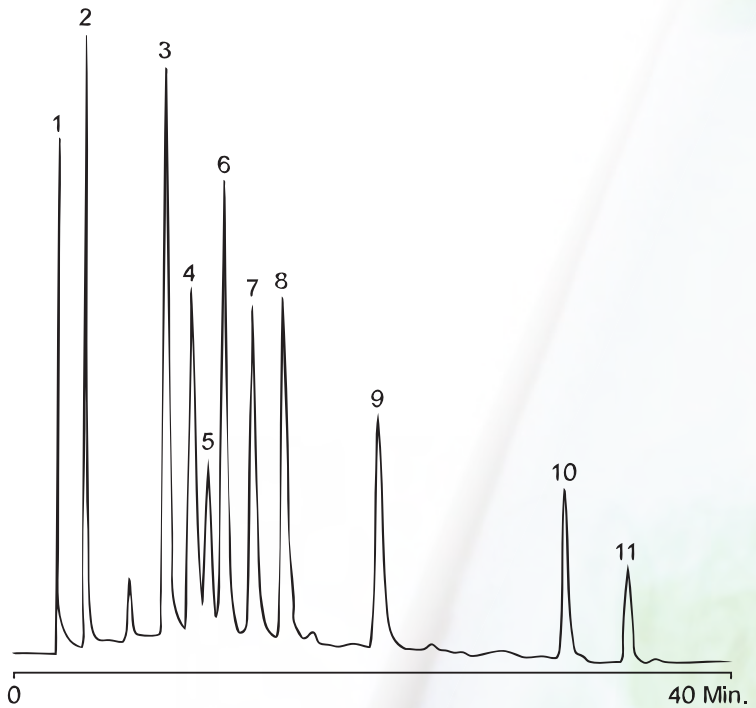
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

HINDERED PHENOLIC ANTIOXIDANTS

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**ACN/H_2O 78/22 to 100/0 in 30 Min. (Linear)**
Flow Rate:	**2.0mL/min.**
Injection:	**100µL**
Temperature:	**80°C**
Detector:	**UV @214nm**



1. Hydroquinone monomethyl ether
2. Hydroquinone monobenzyl ether
3. 2, 5-Di-t-butylhydroquinone
4. Thiobis-(di-sec-amylphenol)
5. Tris (2-methyl-4-hydroxy-5-t-butyl phenol butane)
6. Thiobisphenol
7. 2, 2'-methylene bis (6-t-butyl-4-methyl phenol)
8. 2, 2'-methylene bis (6-t-butyl-4-ethyl phenol)
9. 4, 4'-methylene bis (2, 6-di-t-butyl phenol)
10. Pentaerythrityl tetrabis (3, 5-di-t-butyl-4-hydroxy cinnamate
11. Octadecyl (3, 5-di-t-butyl-4-hydroxy cinnamate)

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

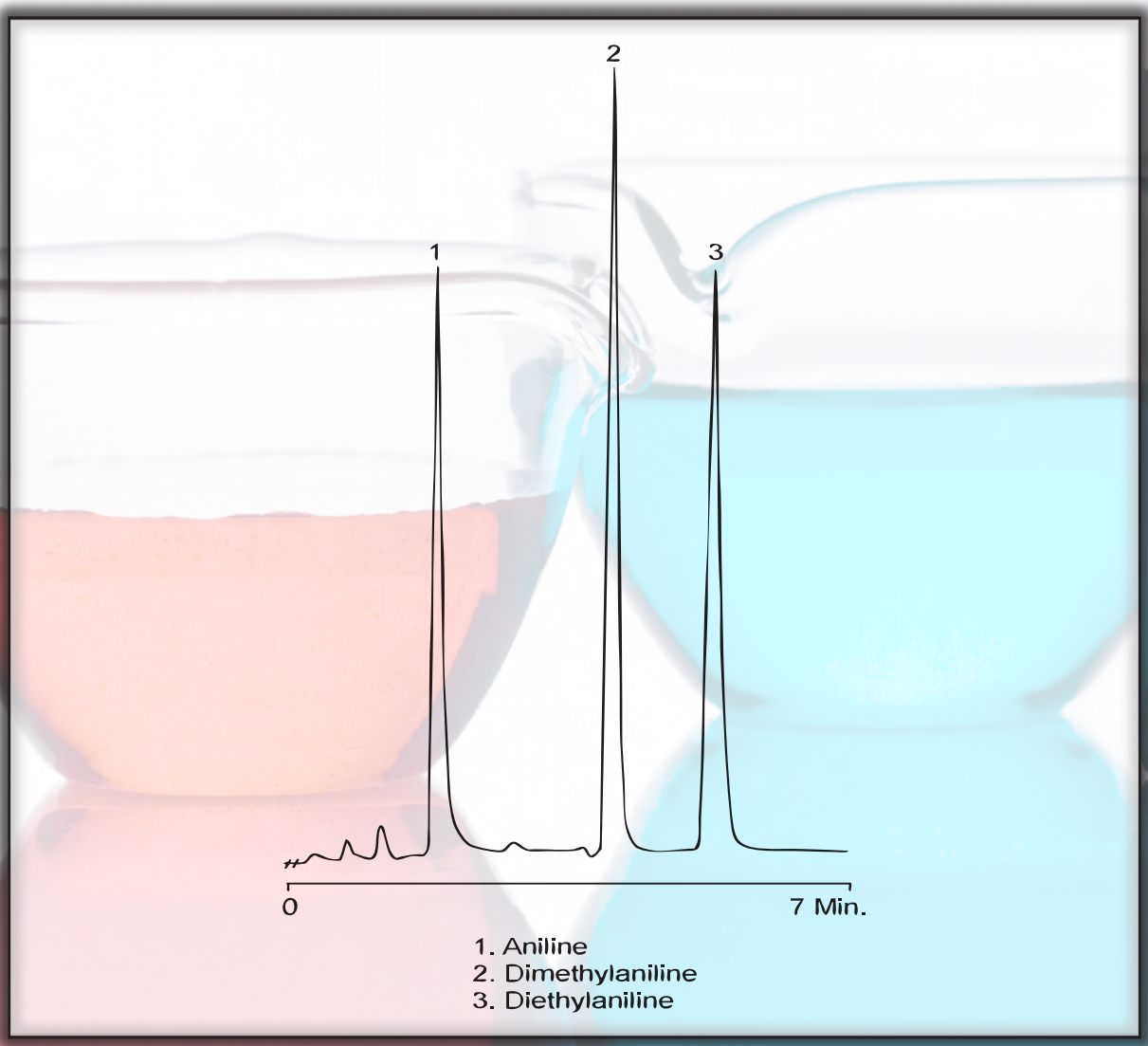
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

ANILINE, DIMETHYLANILINE AND DIETHYLANILINE

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**78/22 ACN/H_2O**
Flow Rate:	**2.0mL/min.**
Injection:	**100µL**
Temperature:	**25°C**
Detector:	**UV @254nm 2.0 AUFS**



Jordi Labs • 4 Mill St • Bellingham MA 02019
Phone: 508 966 1301 • Fax: 508 966 4063 • www.jordilabs.com • info@jordilabs.com

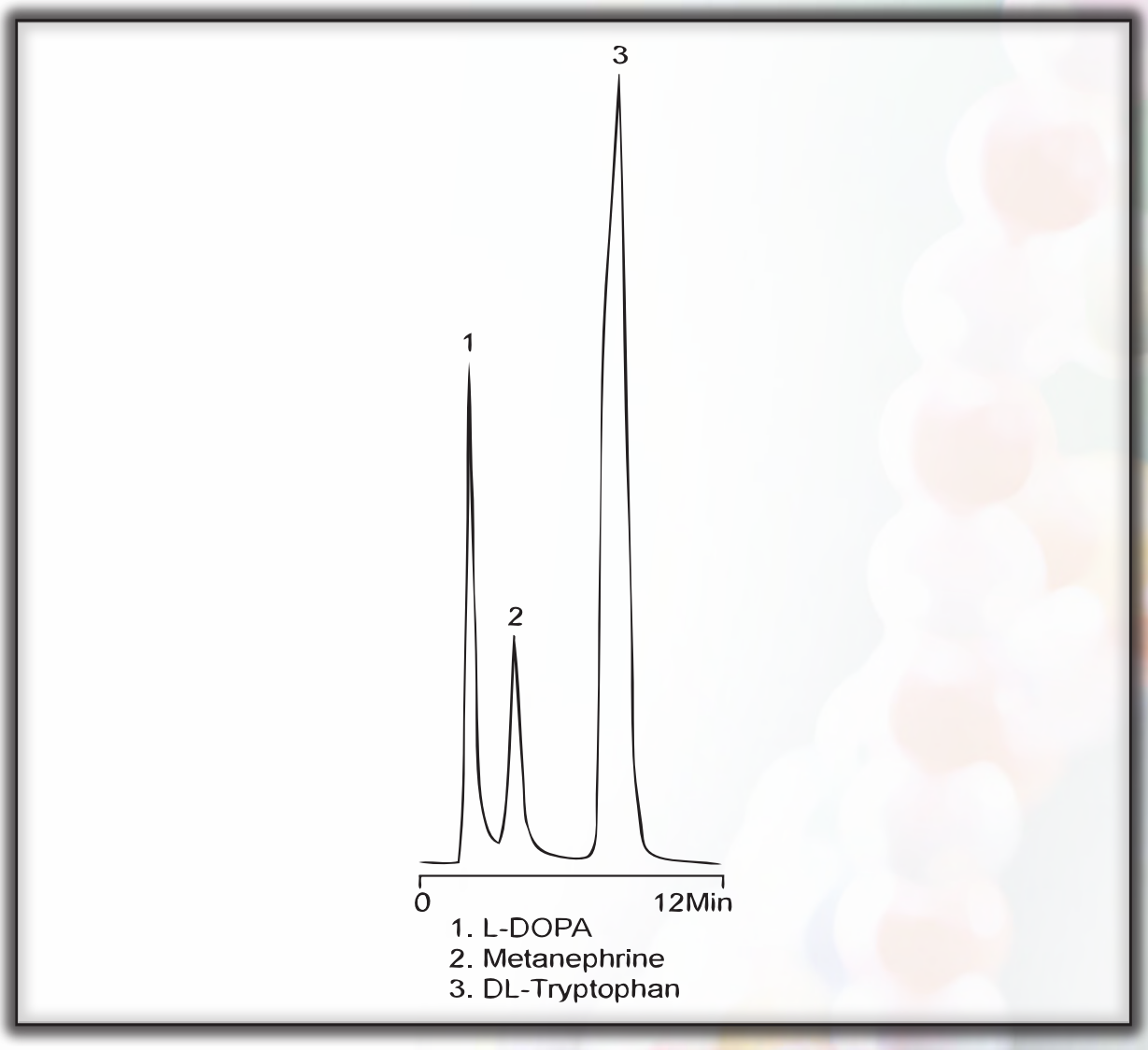
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

CATECHOLAMINES

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**75/24/1 0.2M NaOH/ACN/Butylamine**
Flow Rate:	**2.0mL/min.**
Injection:	**20µL**
Temperature:	**25°C**
Detector:	**UV @280nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

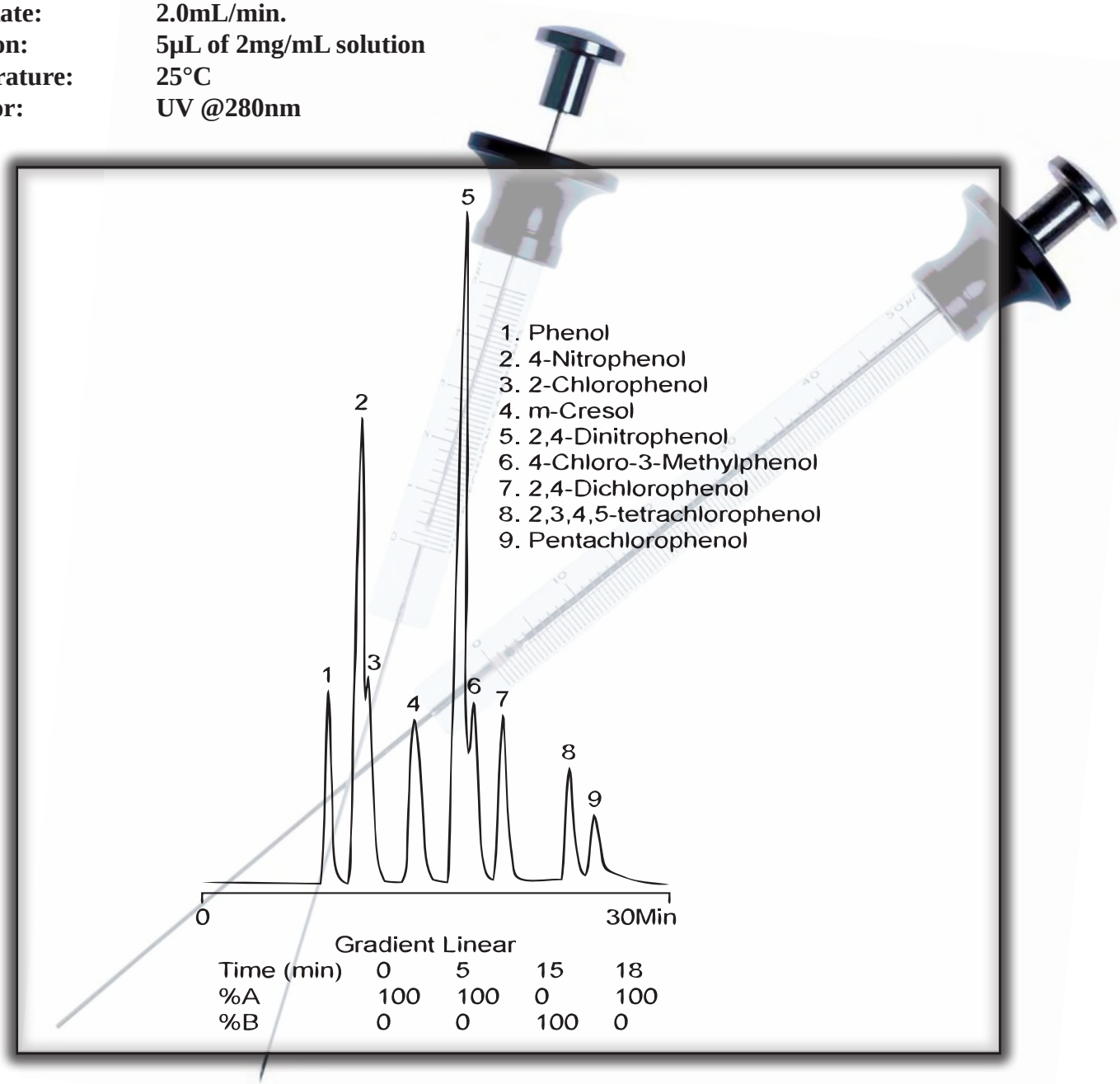
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

PHENOLS

Part Number: 16002
Packing: Jordi DVB Reverse Phase 500Å
Column: 10cm X 10mm ID
Solvent A: 45/45/10 H_2O/ACN/MeOH w/0.1% TFA
Solvent B: 8/73/19 H_2O/ACN/MeOH w/0.1% TFA
Flow Rate: 2.0mL/min.
Injection: 5µL of 2mg/mL solution
Temperature: 25°C
Detector: UV @280nm



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

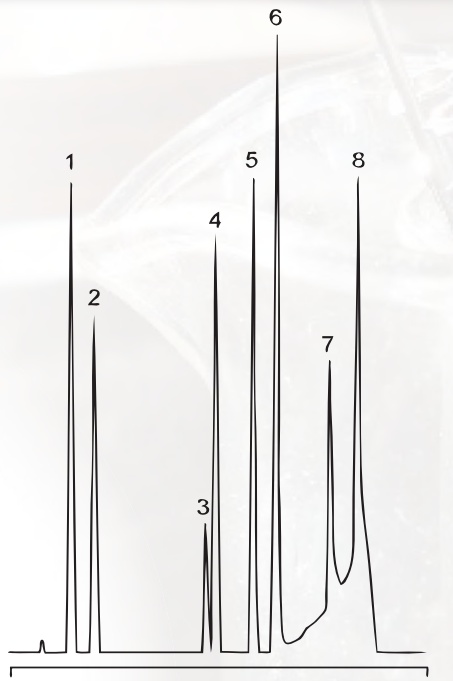
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

ANTIHISTAMINES

Part Number: 16002
Packing: Jordi DVB Reverse Phase 500Å
Column: 10cm X 10mm ID
Solvent A: 70/20/10 H_2O/ACN/MeOH w/0.1% TFA
Solvent B: 8/73/19 H_2O/ACN/MeOH w/0.1% TFA
Flow Rate: 2.0mL/min.
Injection: 50µL of 0.13mg/mL Solution
Temperature: 25°C
Detector: UV @235nm



Gradient Linear

Time (min)	0	2	17	18
%A	90	90	10	90
%B	10	10	90	10

1. Tripelennamine
2. Triprolidine
3. Cyclizine
4. Methaphenilene
5. Chlorocyclizine
6. Pyrrobutamine
7. Meclizine
8. Buclizine

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

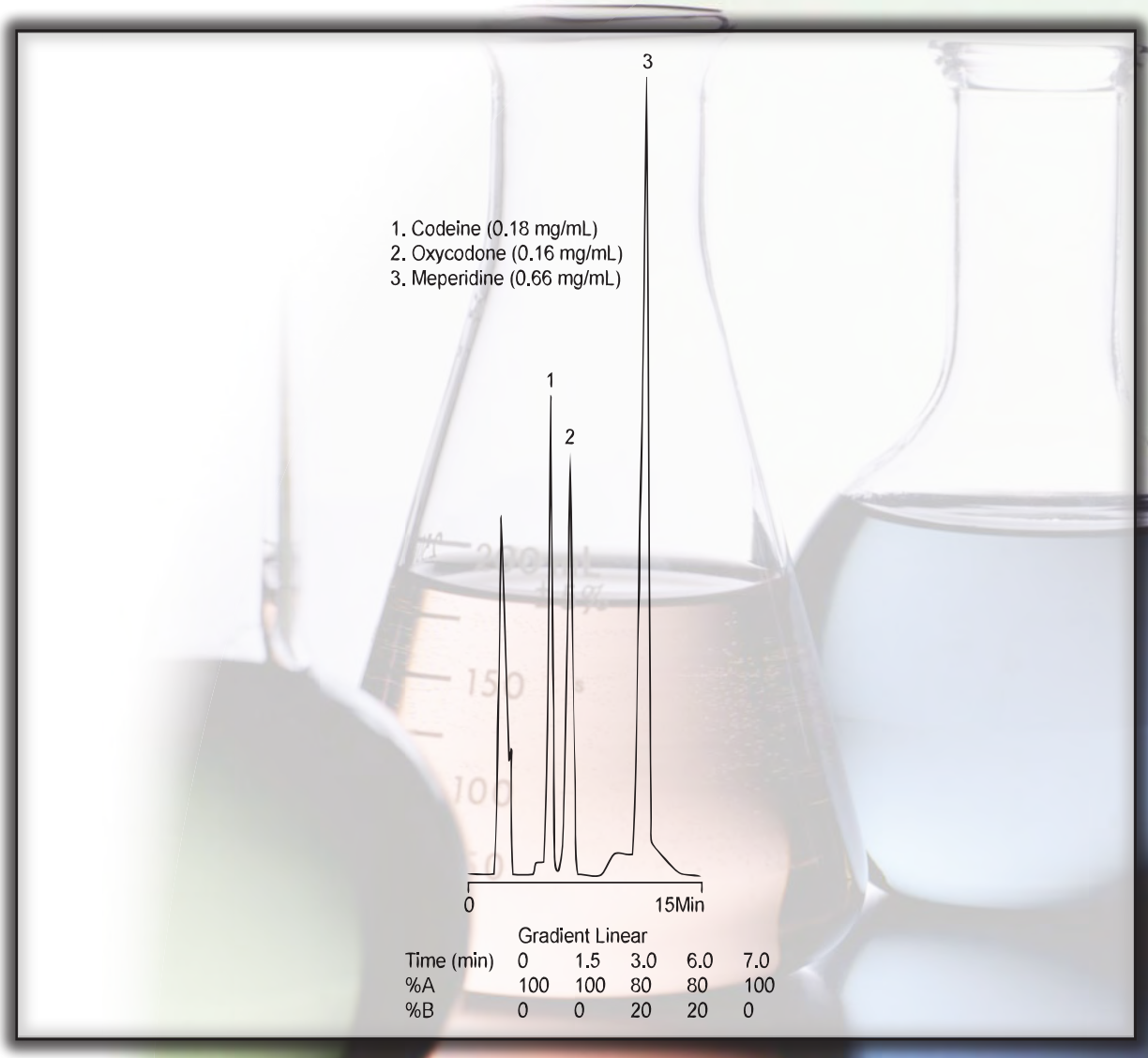
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

ALKALOID DRUGS

Part Number: 16002
Packing: Jordi DVB Reverse Phase 500Å
Column: 10cm X 10mm ID
Solvent A: 70/20/10 H_2O/ACN/MeOH w/0.1% TFA
Solvent B: 10/80/10 H_2O/ACN/MeOH w/0.1% TFA
Flow Rate: 2.0mL/min.
Injection: 100µL
Temperature: 25°C
Detector: UV @230nm



Gradient Linear

Time (min)	0	1.5	3.0	6.0	7.0
%A	100	100	80	80	100
%B	0	0	20	20	0

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

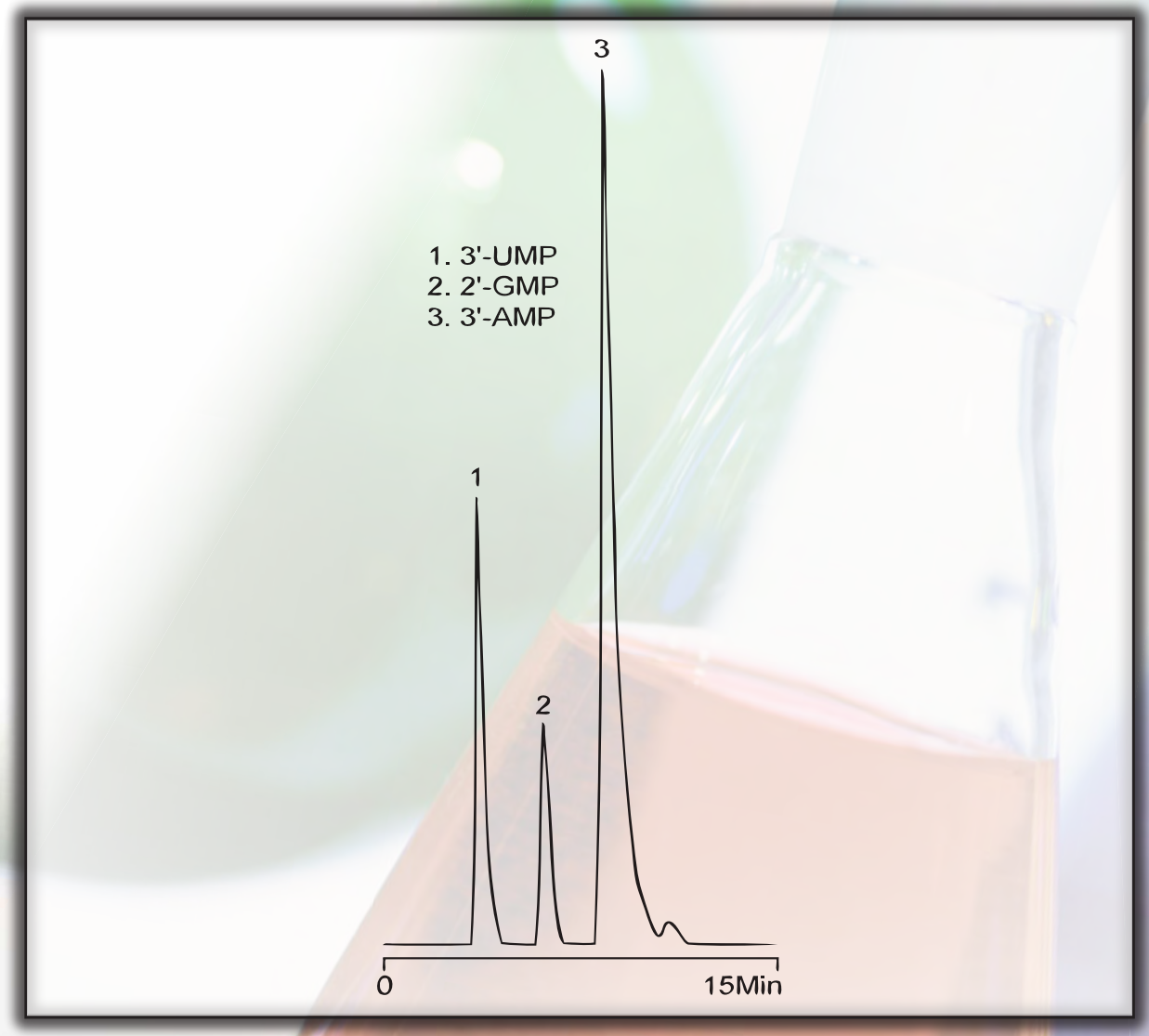
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

NUCLEOTIDES

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**97/1/2 0.01M NaOAC/ACN/MeOH**
Flow Rate:	**2.0mL/min.**
Injection:	**15µL**
Temperature:	**25°C**
Detector:	**UV @254nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

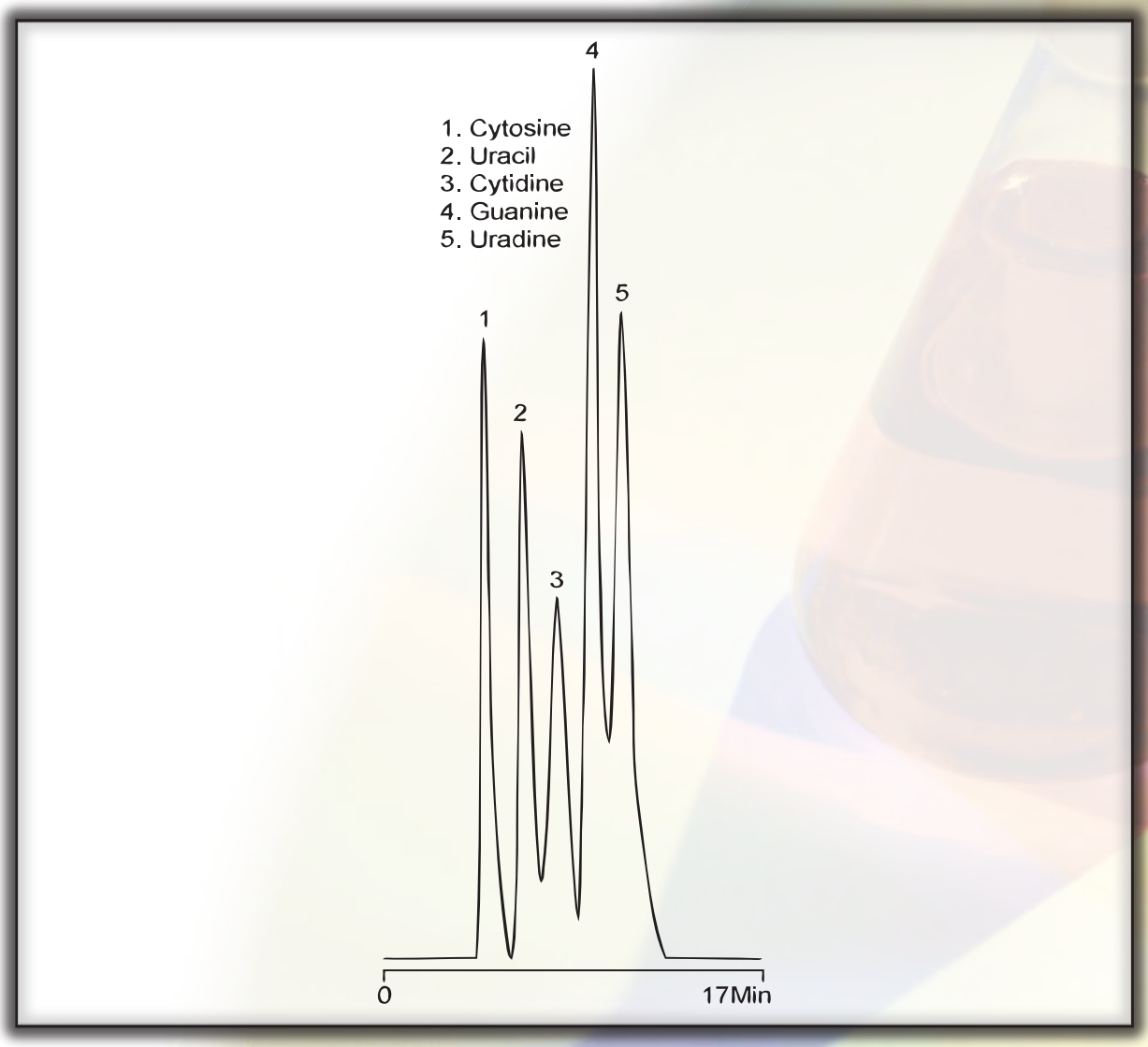
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

NUCLEOSIDES and BASES

Part Number:	**16010**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**25cm X 10mm ID**
Solvent:	**97/1/2 0.01M NaOAC/ACN/MeOH**
Flow Rate:	**2.0mL/min.**
Injection:	**50µL**
Temperature:	**25°C**
Detector:	**UV @254nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

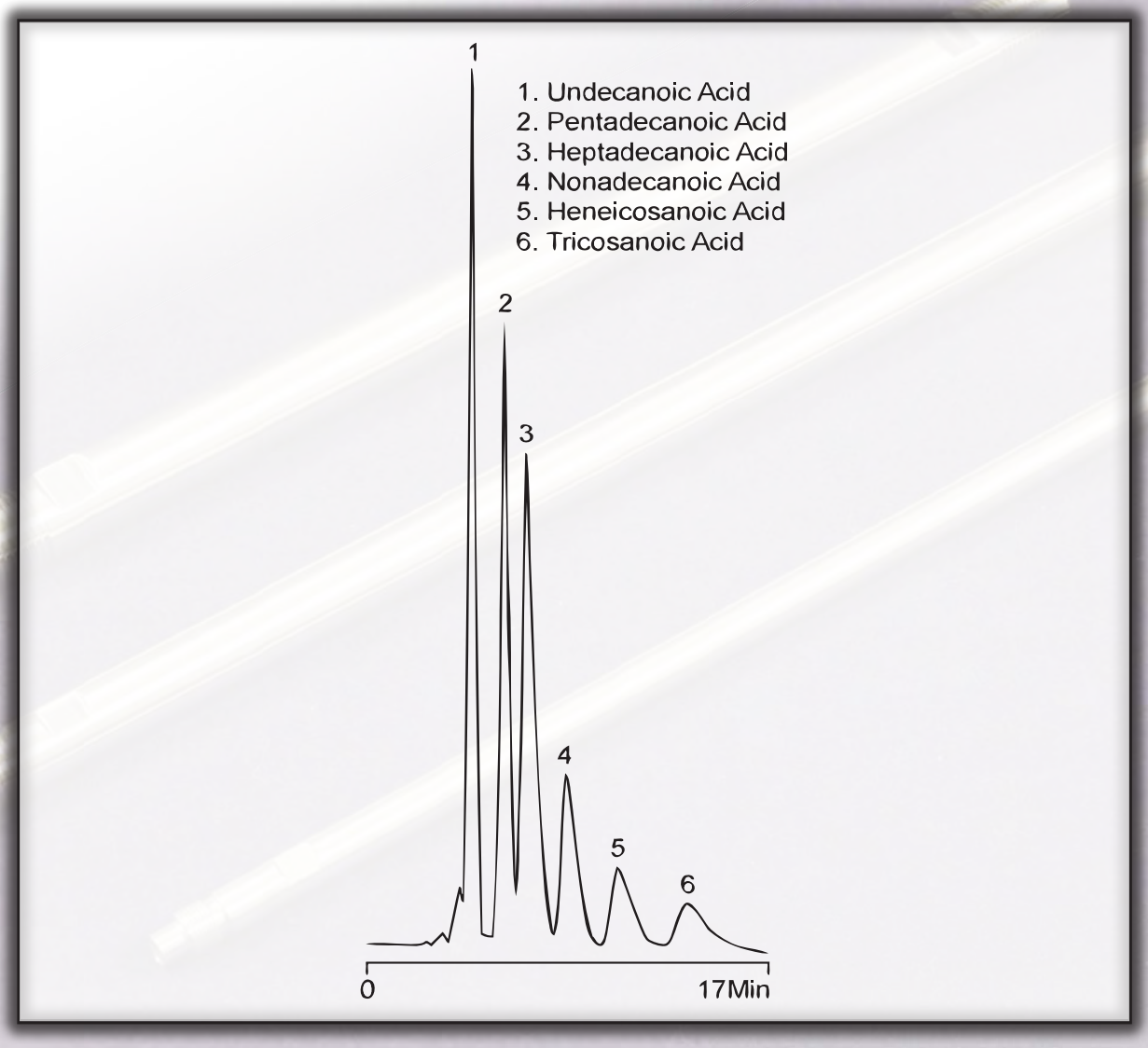
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

FATTY ACIDS
(Odd Carbon)

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**95/5 MeOH/THF**
Flow Rate:	**2.0mL/min.**
Injection:	**100µL**
Temperature:	**25°C**
Detector:	**UV @210nm, 0.36 AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

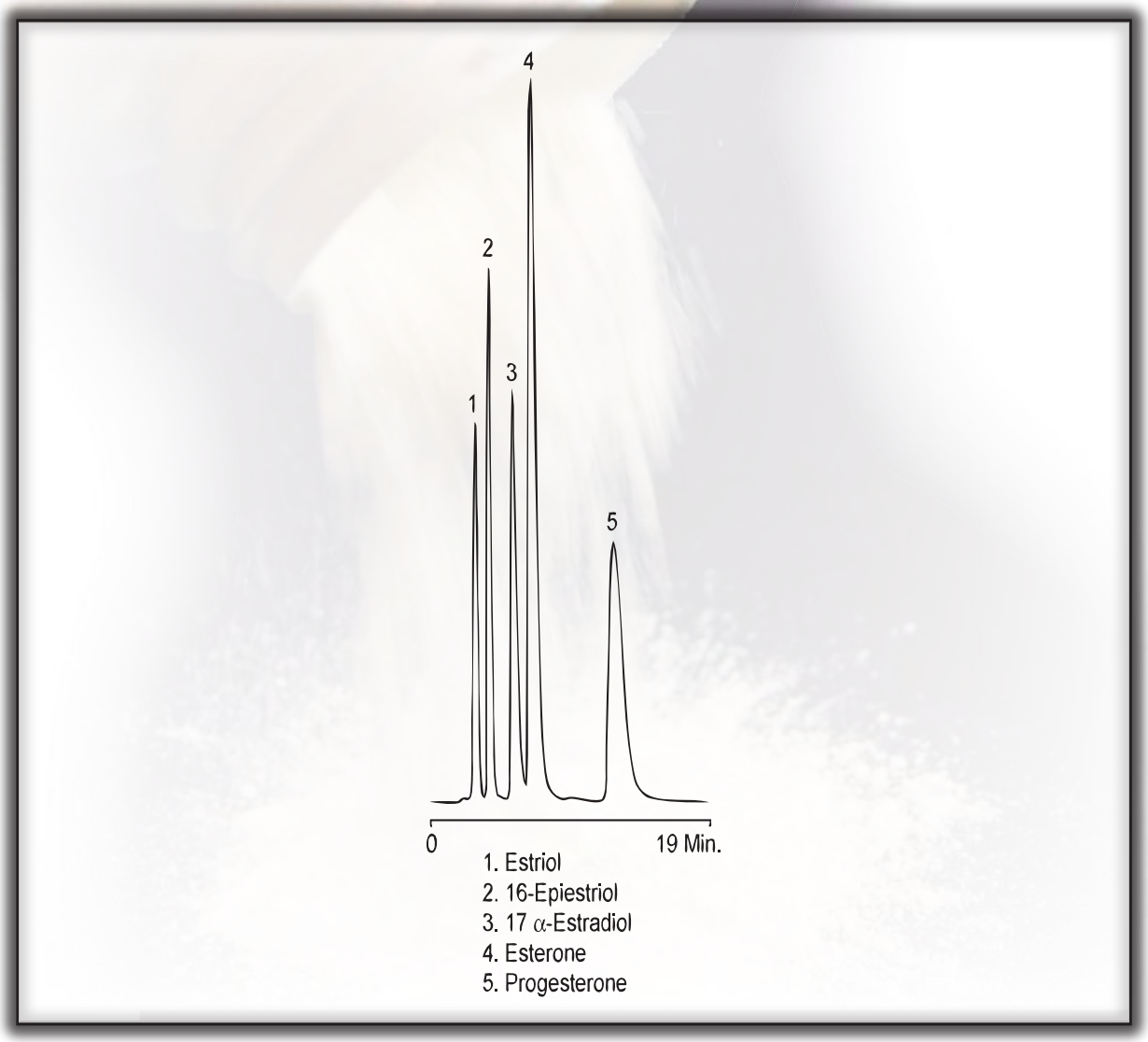
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

STEROIDS

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**85/15 ACN/H_2O**
Flow Rate:	**2.0mL/min.**
Injection:	**50µL**
Temperature:	**25°C**
Detector:	**UV @230nm, 0.37 AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

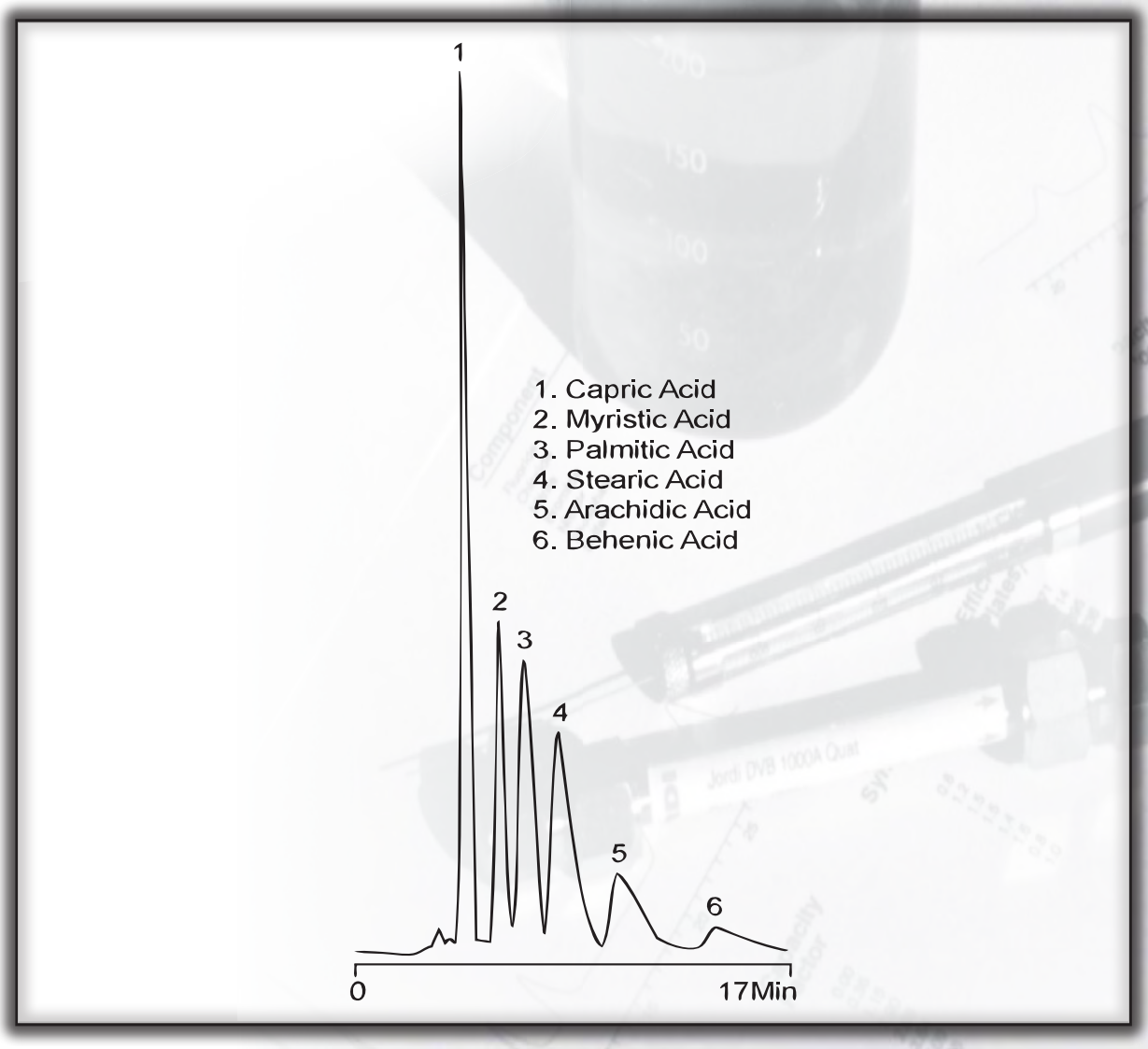
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

FATTY ACIDS
(Even Carbon)

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**95/5 MeOH/THF**
Flow Rate:	**2.0mL/min.**
Injection:	**100µL**
Temperature:	**25°C**
Detector:	**UV @210nm, 0.52 AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

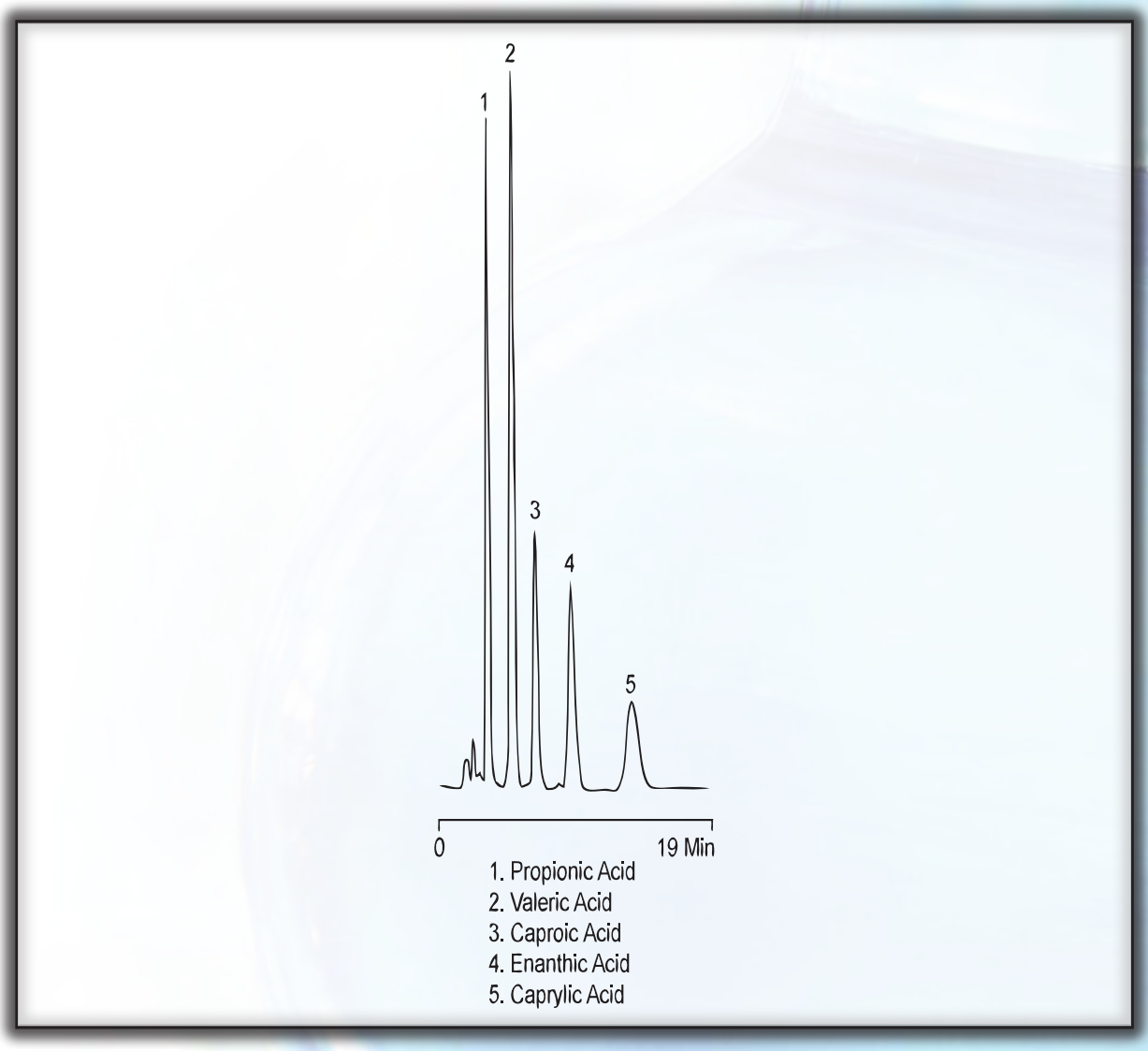
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

SHORT CHAIN FATTY ACIDS

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**50/50 /1 ACN/H_2O/H_3PO_4**
Flow Rate:	**2.0mL/min.**
Injection:	**250µL**
Temperature:	**25°C**
Detector:	**UV @210nm, 0.6 AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

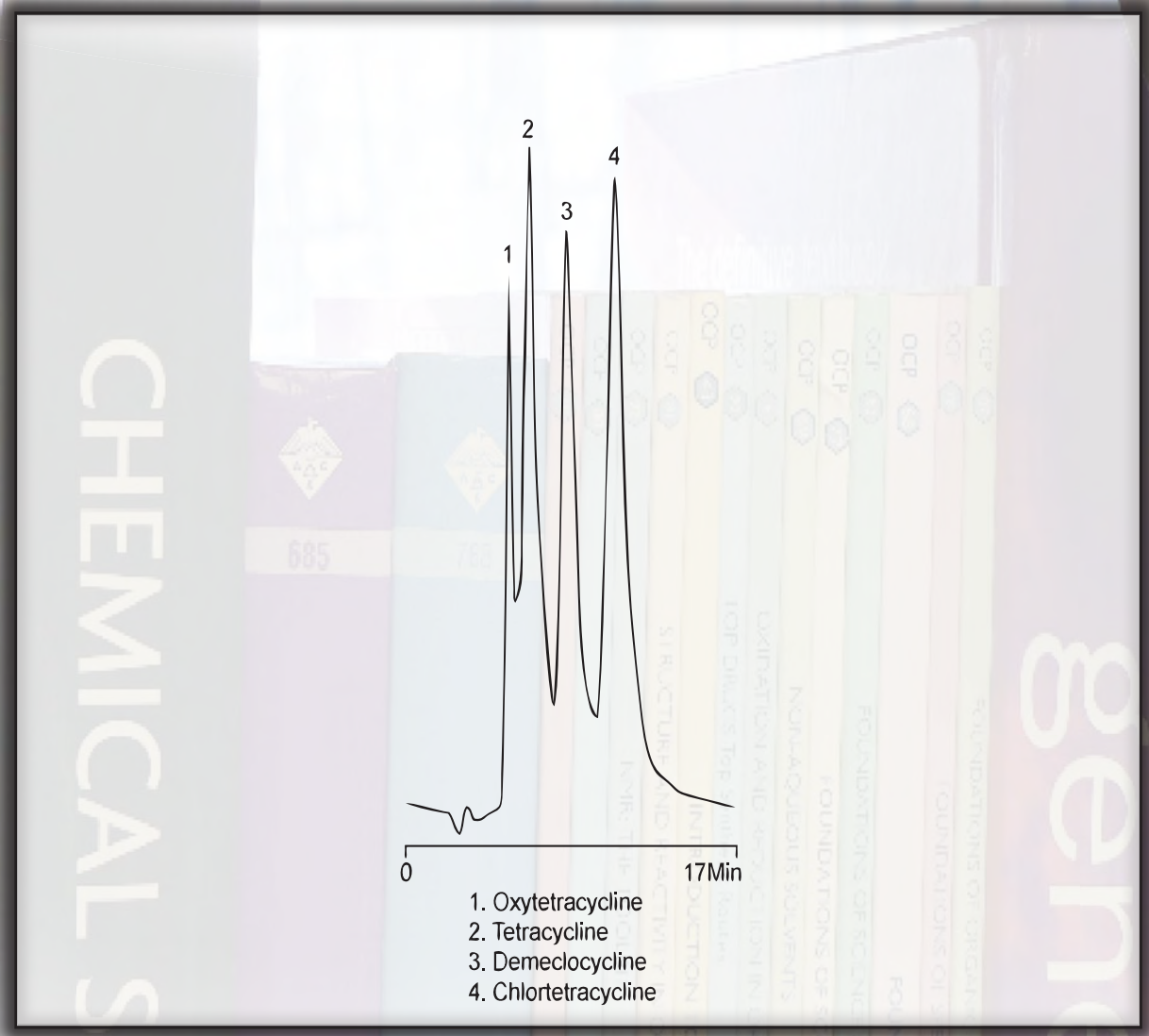
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

TETRACYCLINE and RELATED COMPOUNDS

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**30/70 ACN/H_2O w/0.1% TFA**
Flow Rate:	**1.5mL/min.**
Injection:	**50µL**
Temperature:	**25°C**
Detector:	**UV @300nm, 0.45 AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

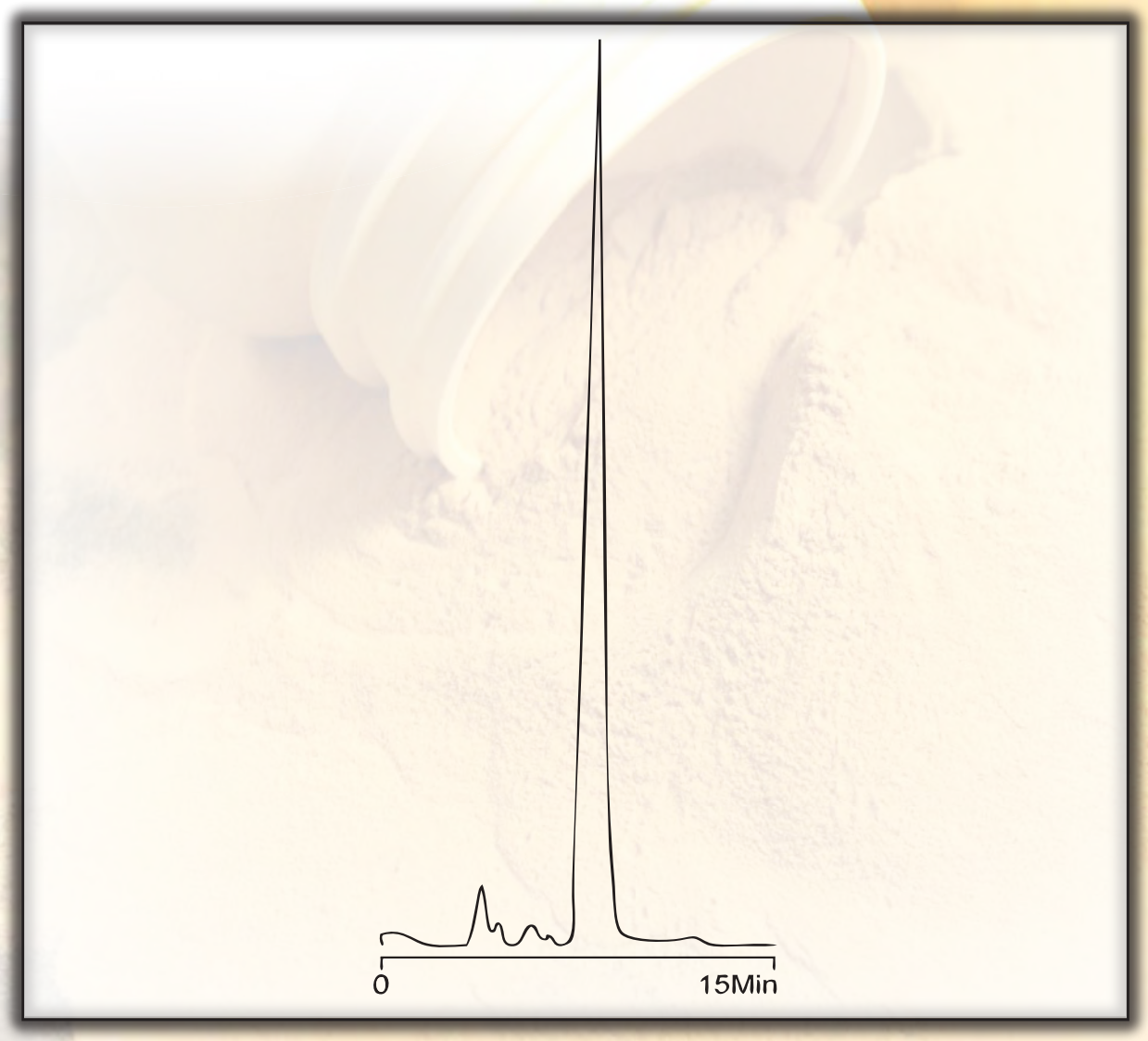
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

2,4,6-TRIS (DIMETHYLAMINOETHYL) PHENOL STANDARD
(Chem Service)

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**80/20 ACN/H_2O w/0.02M NaOH**
Flow Rate:	**1.0mL/min.**
Injection:	**5µL**
Temperature:	**25°C**
Detector:	**UV @220nm, 1.16 AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

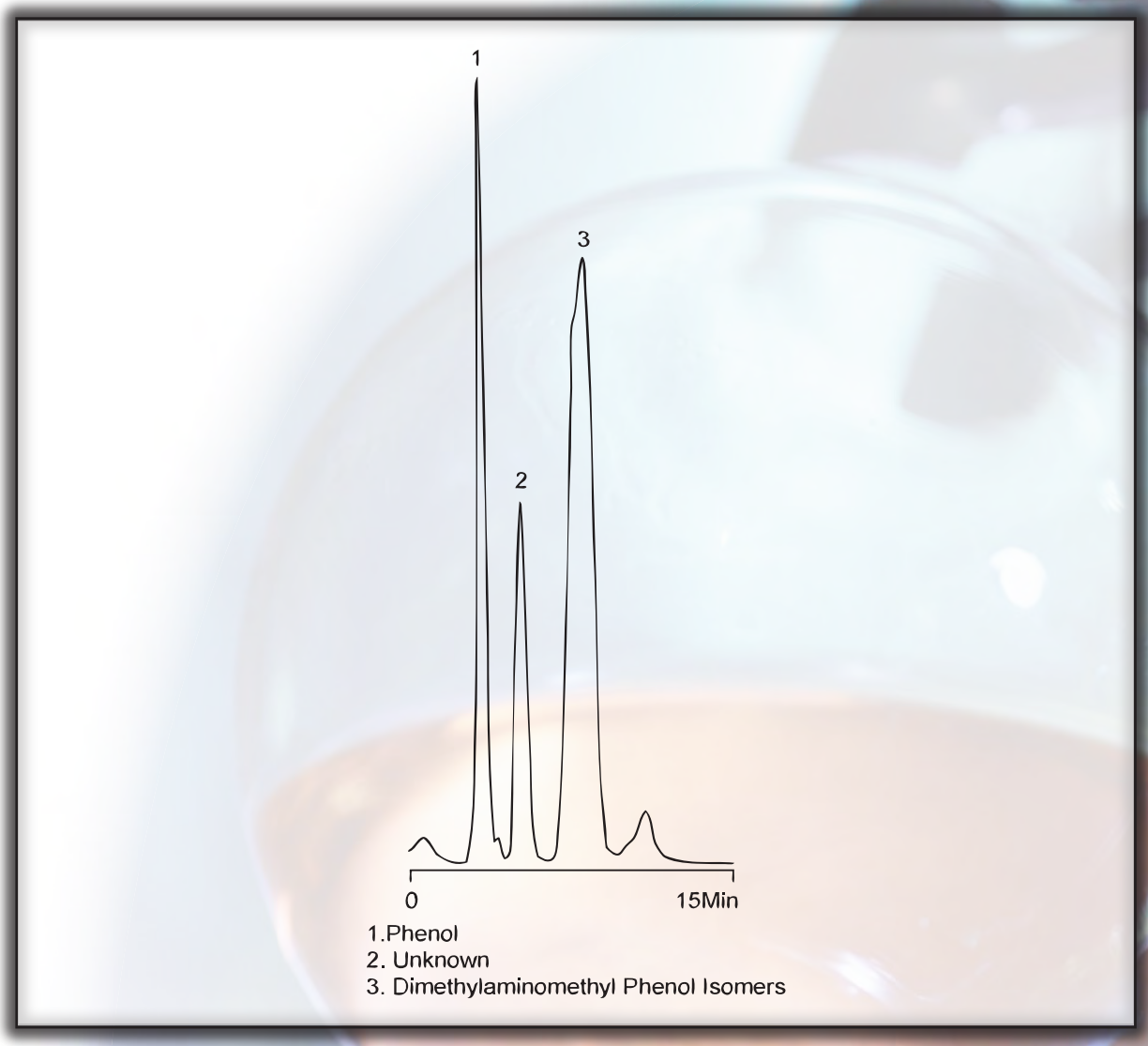
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

DIMETHYLAMINOMETHYL PHENOL STANDARD
(Chem Service)

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**80/20 ACN/0.2M NaOH**
Flow Rate:	**1.0mL/min.**
Injection:	**10µL**
Temperature:	**25°C**
Detector:	**UV @220nm 2.0 AUFS**



1.Phenol
2. Unknown
3. Dimethylaminomethyl Phenol Isomers

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

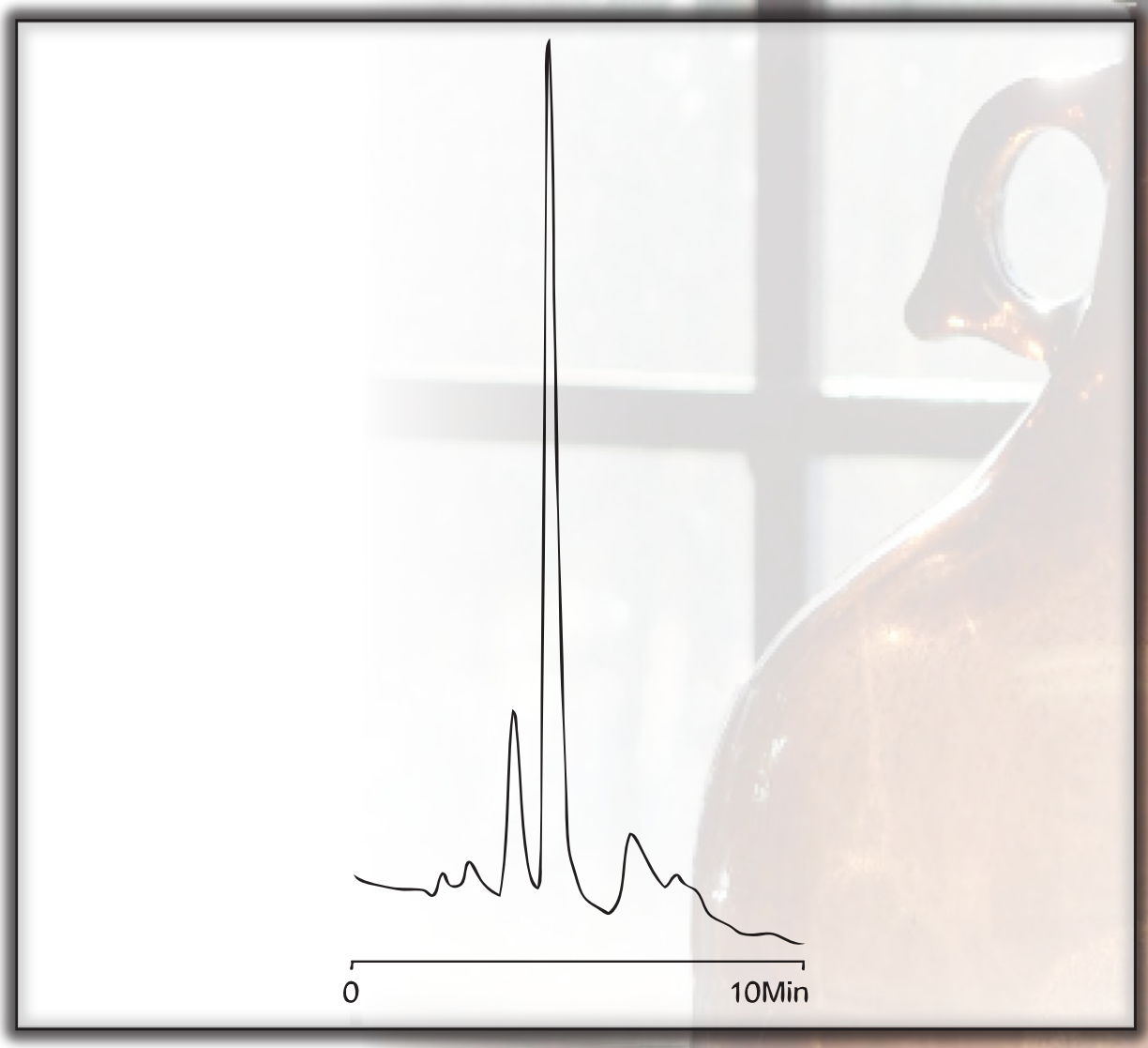
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

TANNIC ACID
(Aldrich Chemical Co)

Part Number:	**16002**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**10cm X 10mm ID**
Solvent:	**80/10/10 H_2O/ACN/MeOH**
	pH=2.5 w/H_3PO_4
Flow Rate:	**3.0mL/min.**
Injection:	**40µL**
Temperature:	**25°C**
Detector:	**UV @210nm 0.2 AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

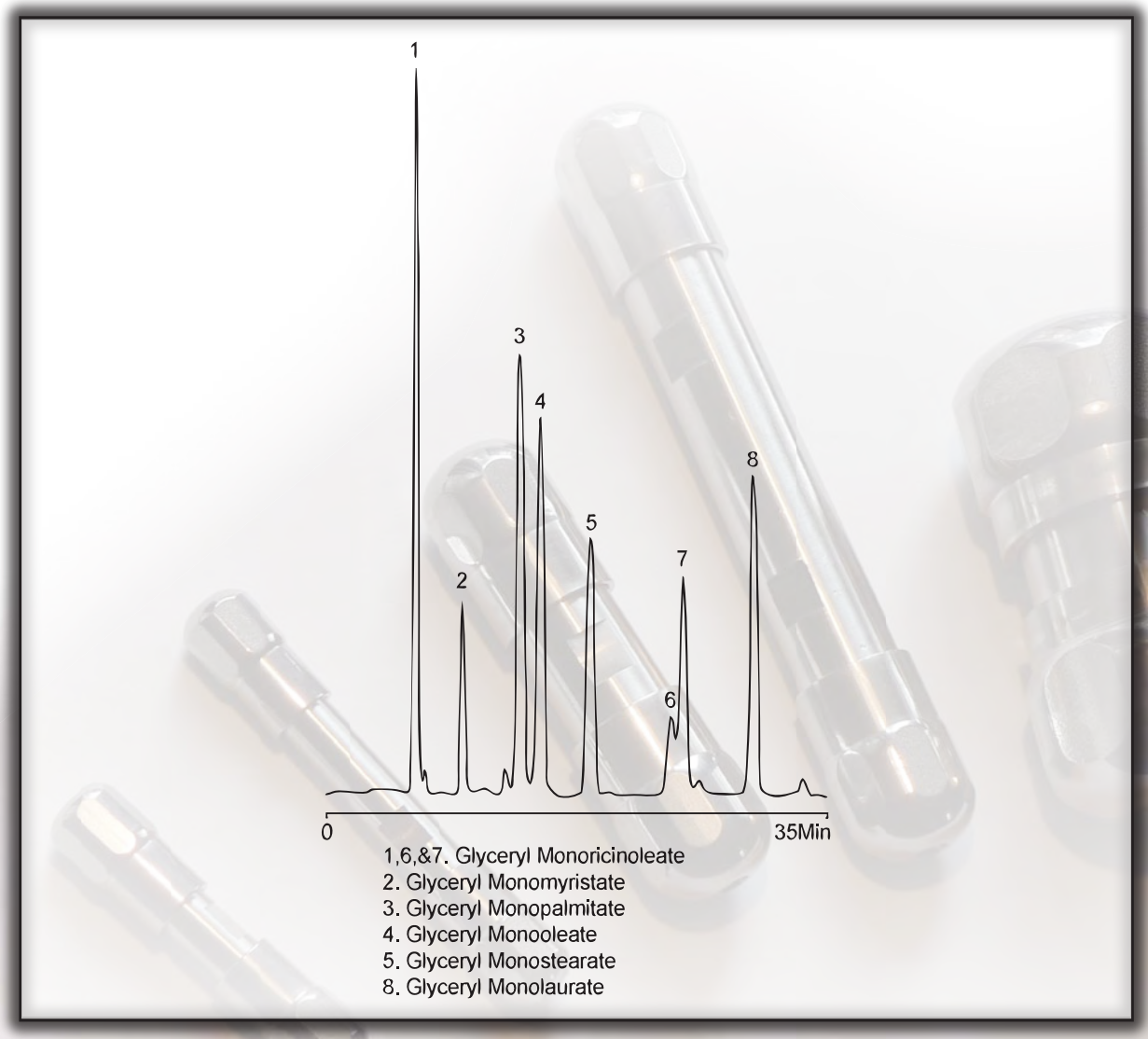
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

GLYCEROL MONOESTERS

Part Number:	**16507**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**25cm X 4.6mm ID**
Solvent:	**78/22 to 100/0 ACN/H_2O, 30 min**
Flow Rate:	**1.0mL/min.**
Injection:	**30µL of 1.0mg/mL**
Temperature:	**80°C**
Detector:	**Evaporative Light Scattering**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

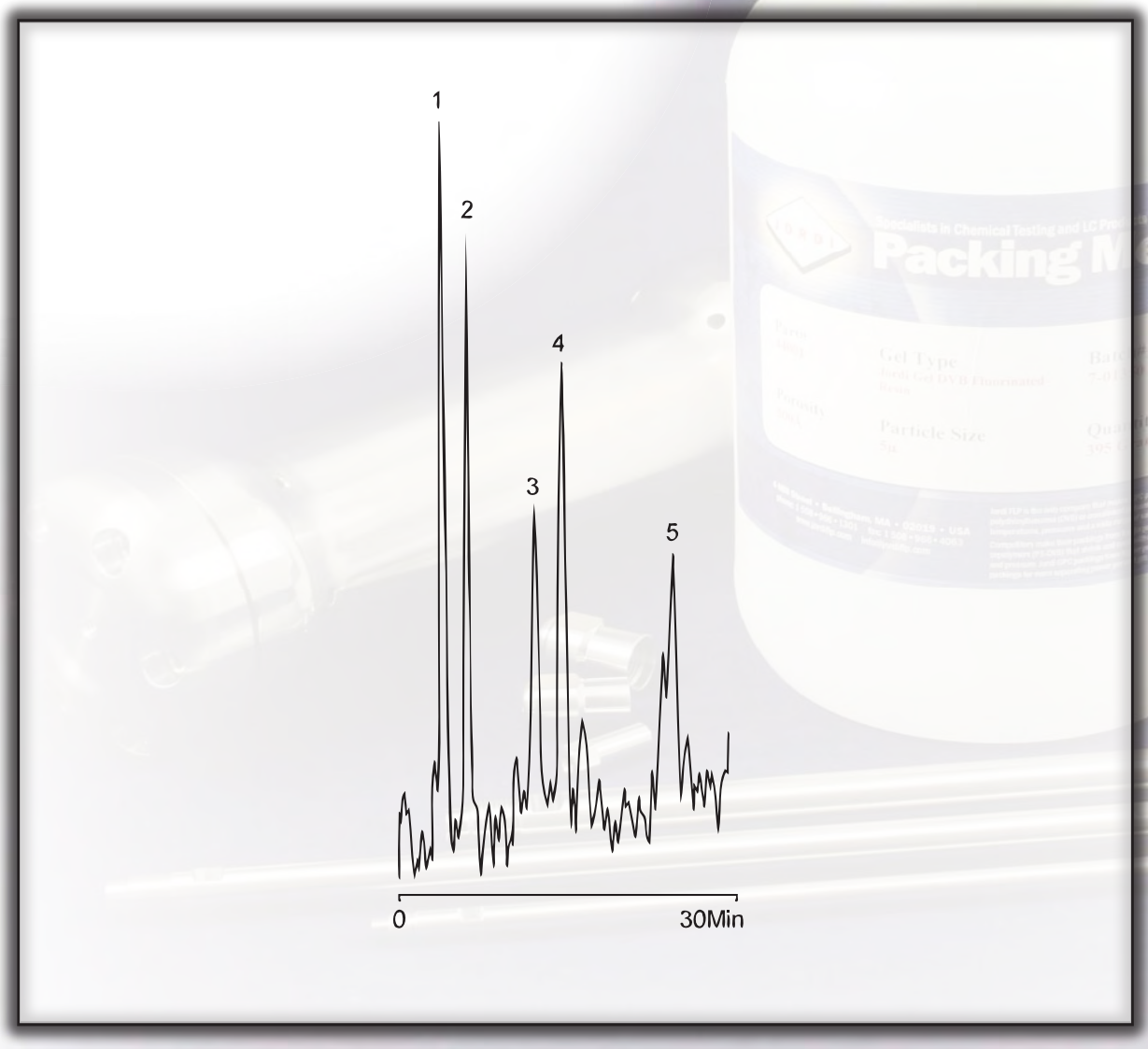
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

GLYCEROL MONOESTERS

Part Number:	**16507**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**25cm X 4.6mm ID**
Solvent:	**78/22 to 100/0 ACN/H_2O, 30min**
Flow Rate:	**1.0mL/min.**
Injection:	**30µL of 1.0mg/mL**
Temperature:	**80°C**
Detector:	**UV @200nm 0.2AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

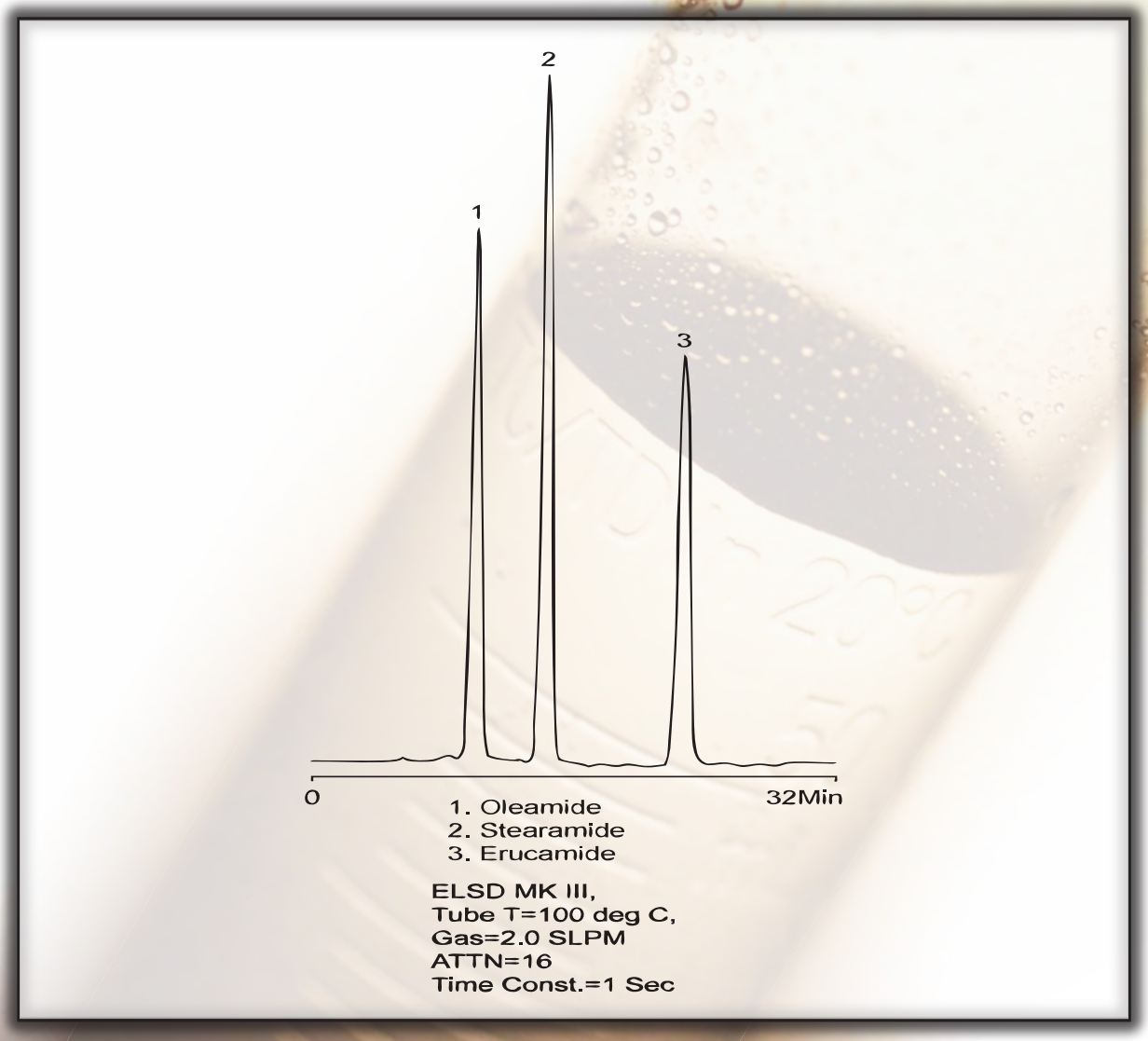
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

SLIP AGENTS

Part Number:	**16507**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**25cm X 4.6mm ID**
Solvent:	**78/22 to 100/0 ACN/H_2O 30 min.**
Flow Rate:	**1.0mL/min.**
Injection:	**50µL of 1.0, 0.5, 0.25 mg/mL**
Temperature:	**80°C**
Detector:	**Evaporative Light Scattering,**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

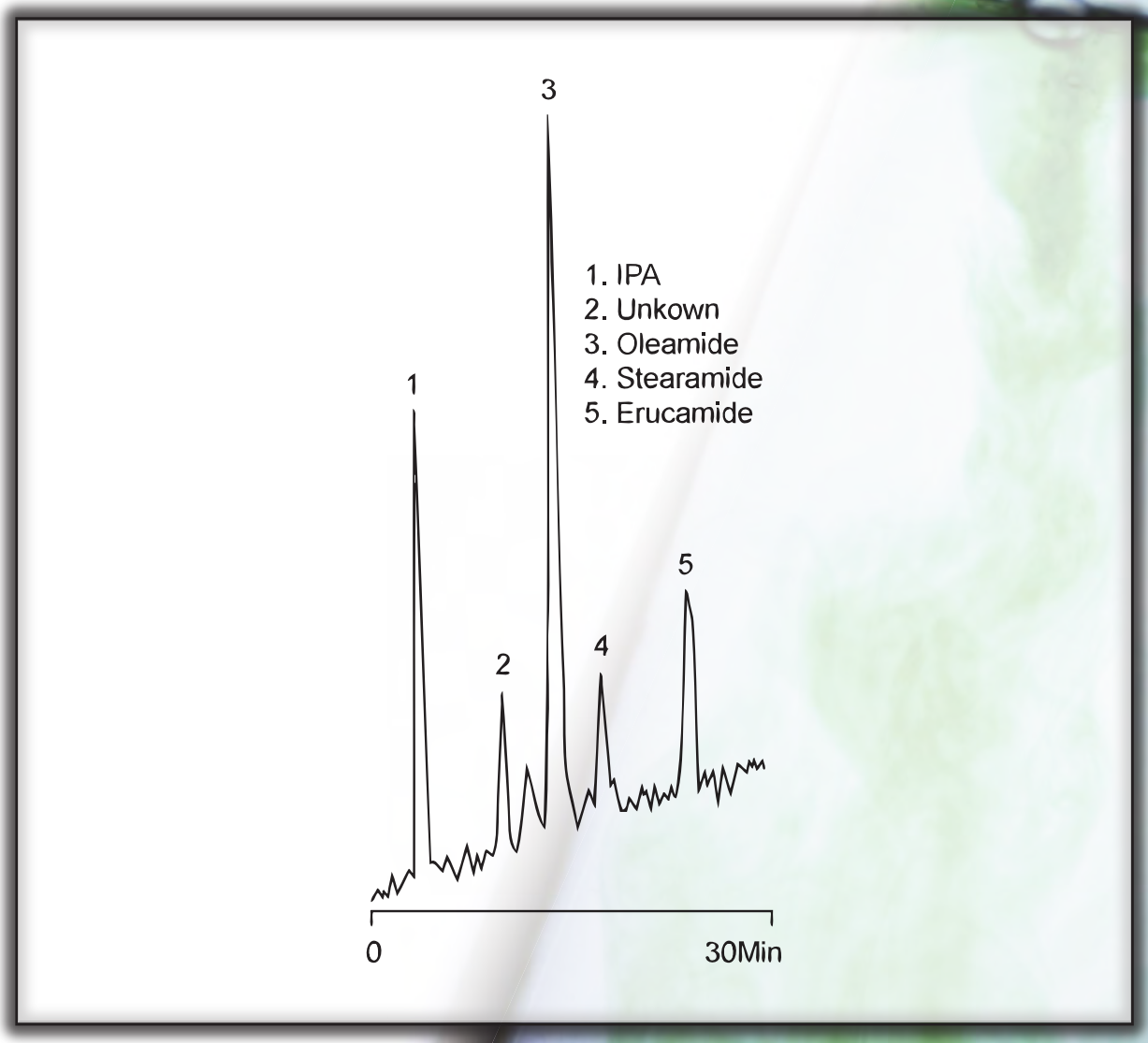
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

SLIP AGENTS

Part Number:	**16507**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**25cm X 4.6mm ID**
Solvent:	**78/22 to 100/0 ACN/H_2O, 30 min.**
Flow Rate:	**1.0mL/min.**
Injection:	**50µL of 1.0, 0.5, 0.25 mg/mL**
Temperature:	**80°C**
Detector:	**UV @195nm, 1.0 AUFS**



Jordi Labs • 4 Mill St • Bellingham MA 02019
Phone: 508 966 1301 • Fax: 508 966 4063 • www.jordilabs.com • info@jordilabs.com

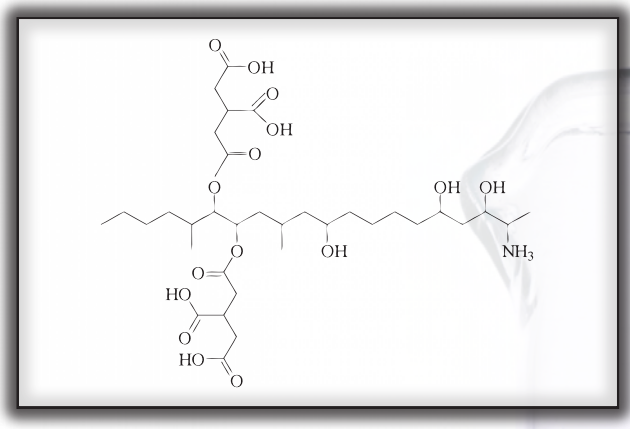
JORDI

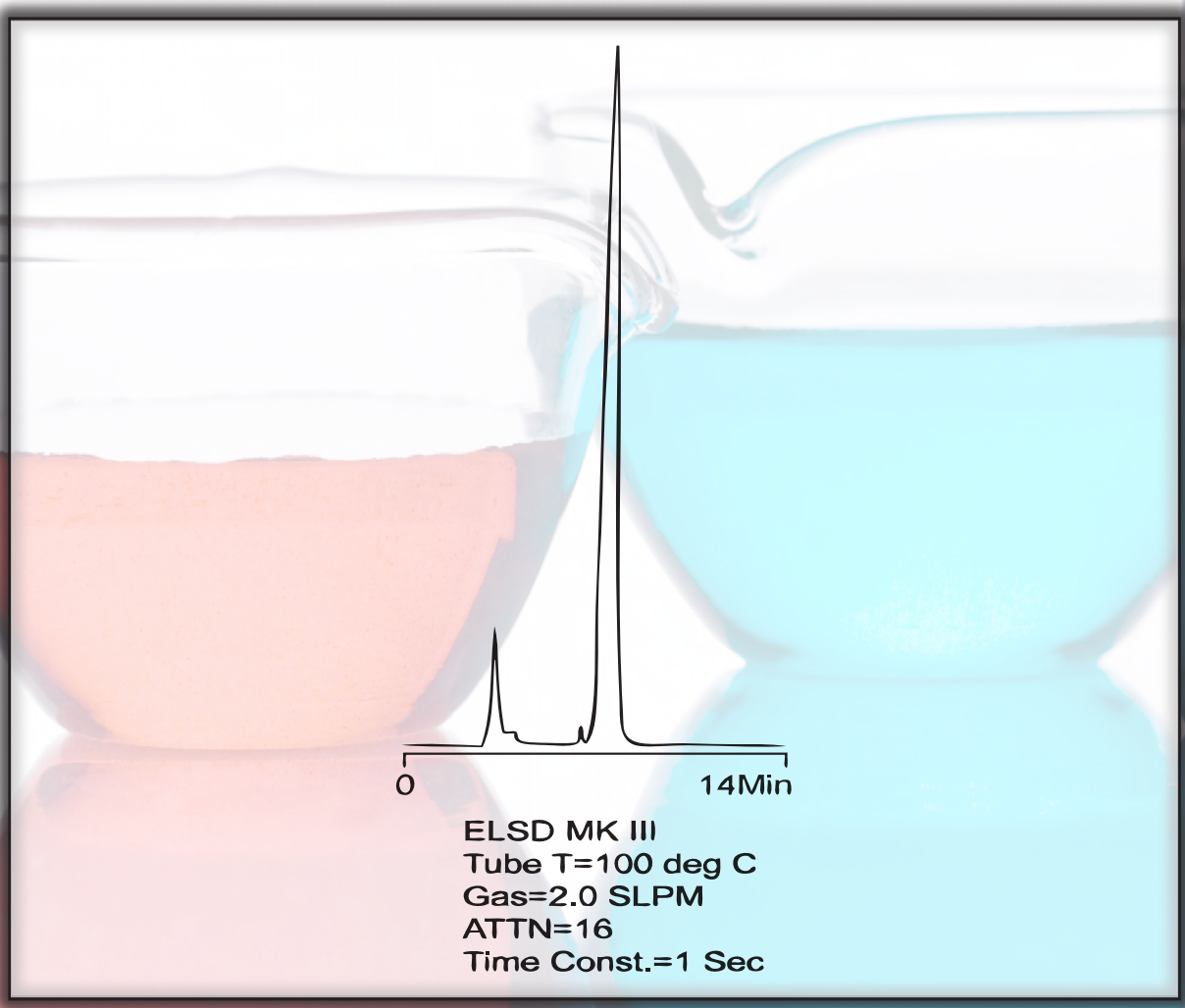
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

FUMONISIN B_1
(From Fusarium Moniliforme)

Part Number:	**16508**
Packing:	**Jordi DVB Reverse Phase 1000Å**
Column:	**25cm X 4.6mm ID**
Solvent:	**50/25/25 H_2O/ACN/MeOH pH=2.7 w/Formic Acid**
Flow Rate:	**1.0mL/min.**
Injection:	**100µL of 250ppm Solution in MeOH/H_2O (80/20)**
Temperature:	**40°C**
Detector:	**Evaporative Light Scattering,**





Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

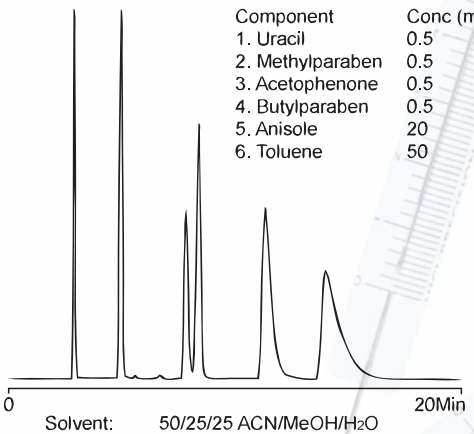
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

REVERSE PHASE STANDARD MIX
(New Mobile Phase)

Part Number: 16507
Packing: Jordi DVB Reverse Phase 500Å
Column: 25cm X 4.6mm ID
Solvent: 50/25/25 ACN/MeOH/H_2O
Flow Rate: 1.0mL/min.
Injection: 5µL
Temperature: 50°C
Detector: UV @254nm



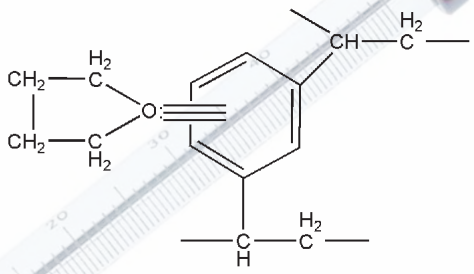
Component	Conc (mg/mL)
1. Uracil	0.5
2. Methylparaben	0.5
3. Acetophenone	0.5
4. Butylparaben	0.5
5. Anisole	20
6. Toluene	50

Solvent: 50/25/25 ACN/MeOH/H_2O
Temp: 50°C

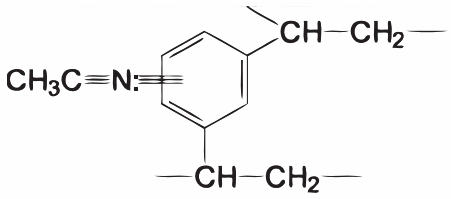
Peak	Retention Time (min)	Capacity Factor	Symmetry	Efficiency (Plates/m)
1	2.91	0.00	1.4	37379
2	4.97	0.71	1.1	39051
3	7.86	1.70	1.0	40723
4	8.4	1.89	0.9	38454
5	11.33	2.90	2.7	16730
6	13.98	3.81	4.8	6857

Note: The importance of solvent/column interaction using Jordi DVB columns *cannot* be overemphasized. We have found that a 50/50/ mix of MeOH/ACN for the strong solvent is adequate for many Reverse-Phase separations and is better than either alone. We have now observed that the use of THF/ACN as strong solvent is often better than MeOH/ACN. In general Lewis bases (electron donor solvents) deactivate the aromatic rings and often dramatically increase the column efficiencies. The following data describes some Reverse Phase results for our 500Å DVB Column.

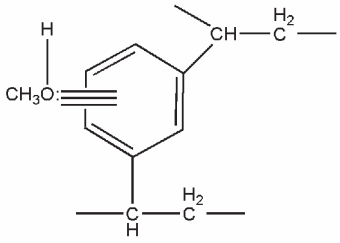
Strongest Deactivator



Intermediate Deactivator



Weakest Deactivator



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

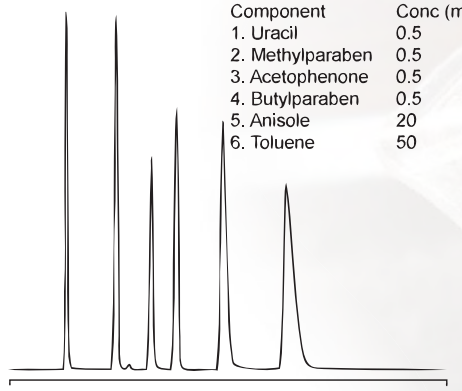
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

REVERSE PHASE STANDARD MIX
(New Mobile Phase)

Part Number: 16507
Packing: Jordi DVB Reverse Phase 500Å
Column: 25cm X 4.6mm ID
Solvent: 30/30/40 THF/ACN/H_2O
Flow Rate: 1.0mL/min.
Injection: 5µL
Temperature: Ambient
Detector: UV @254nm

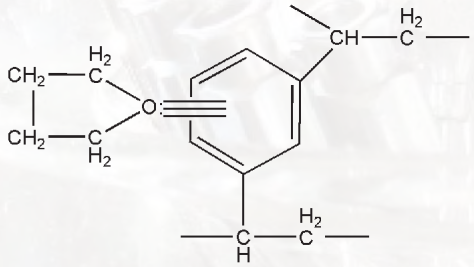


Solvent: 30/30/40 THF/ACN/H_2O
Temp: Ambient

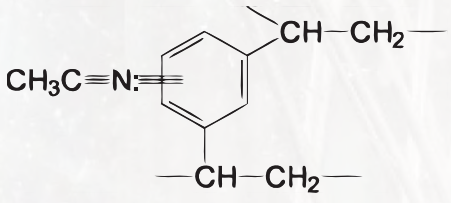
Peak	Retention Time (min)	Capacity Factor	Symmetry	Efficiency (Plates/m)
1	2.68	0.00	1.6	31821
2	4.94	0.84	1.0	37592
3	6.57	1.45	0.9	40653
4	7.70	1.87	0.8	37050
5	9.81	2.65	1.8	29613
6	12.69	3.73	2.8	17307

Note: The importance of solvent/column interaction using Jordi DVB columns *cannot* be overemphasized. We have found that a 50/50/ mix of MeOH/ACN for the strong solvent is adequate for many Reverse-Phase separations and is better than either alone. We have now observed that the use of THF/ACN as strong solvent is often better than MeOH/ACN. In general Lewis bases (electron donor solvents) deactivate the aromatic rings and often dramatically increase the column efficiencies. The following data describes some Reverse Phase results for our 500Å DVB Column.

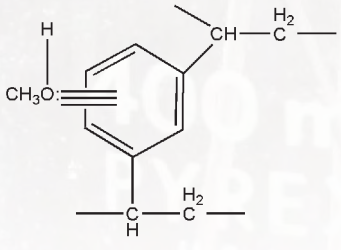
Strongest Deactivator



Intermediate Deactivator



Weakest Deactivator



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

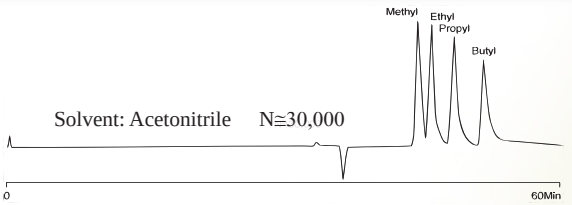
JORDI

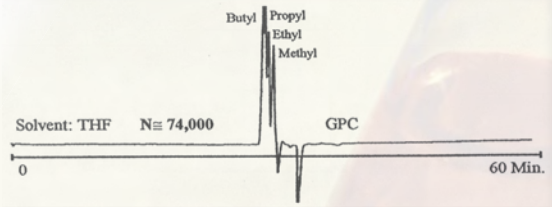
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

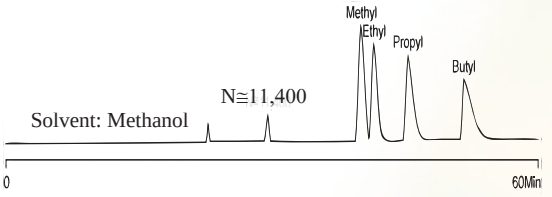
PARABENS by GPC and LC

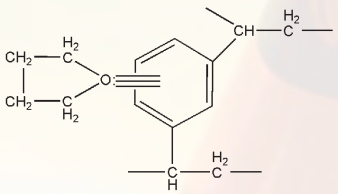
Part Number: 15001
Packing: Jordi DVB 500Å
Column: 2-50cm X 10mm ID
Solvent: See Curve detail
Flow Rate: 1.5mL/min.
Concentration: N/A
Injection: N/A
Temperature: 25°C
Detector: N/A



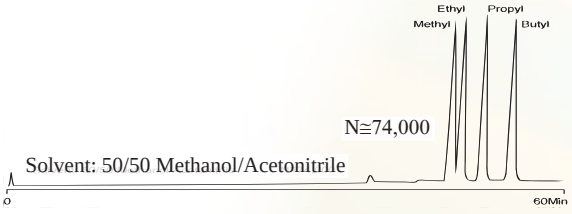


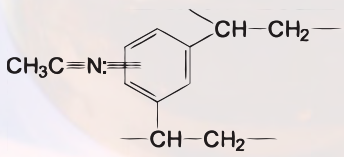
Strongest Deactivator





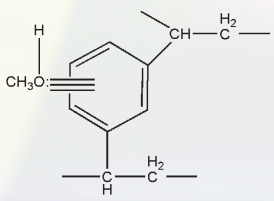
Intermediate Deactivator





Note: The importance of solvent/column interaction using Jordi DVB columns *cannot* be overemphasized. We have found that a 50/50/ mix of MeOH/ACN for the strong solvent is adequate for many Reverse-Phase separations and is better than either alone. We have now observed that the use of THF/ACN as strong solvent is often better than MeOH/ACN. In general Lewis bases (electron donor solvents) deactivate the aromatic rings and often dramatically increase the column efficiencies. The following data describes some Reverse Phase results for our 500Å DVB Column.

Weakest Deactivator



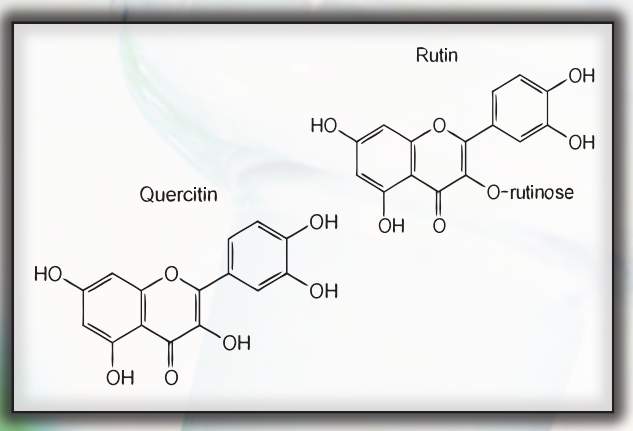
JORDI

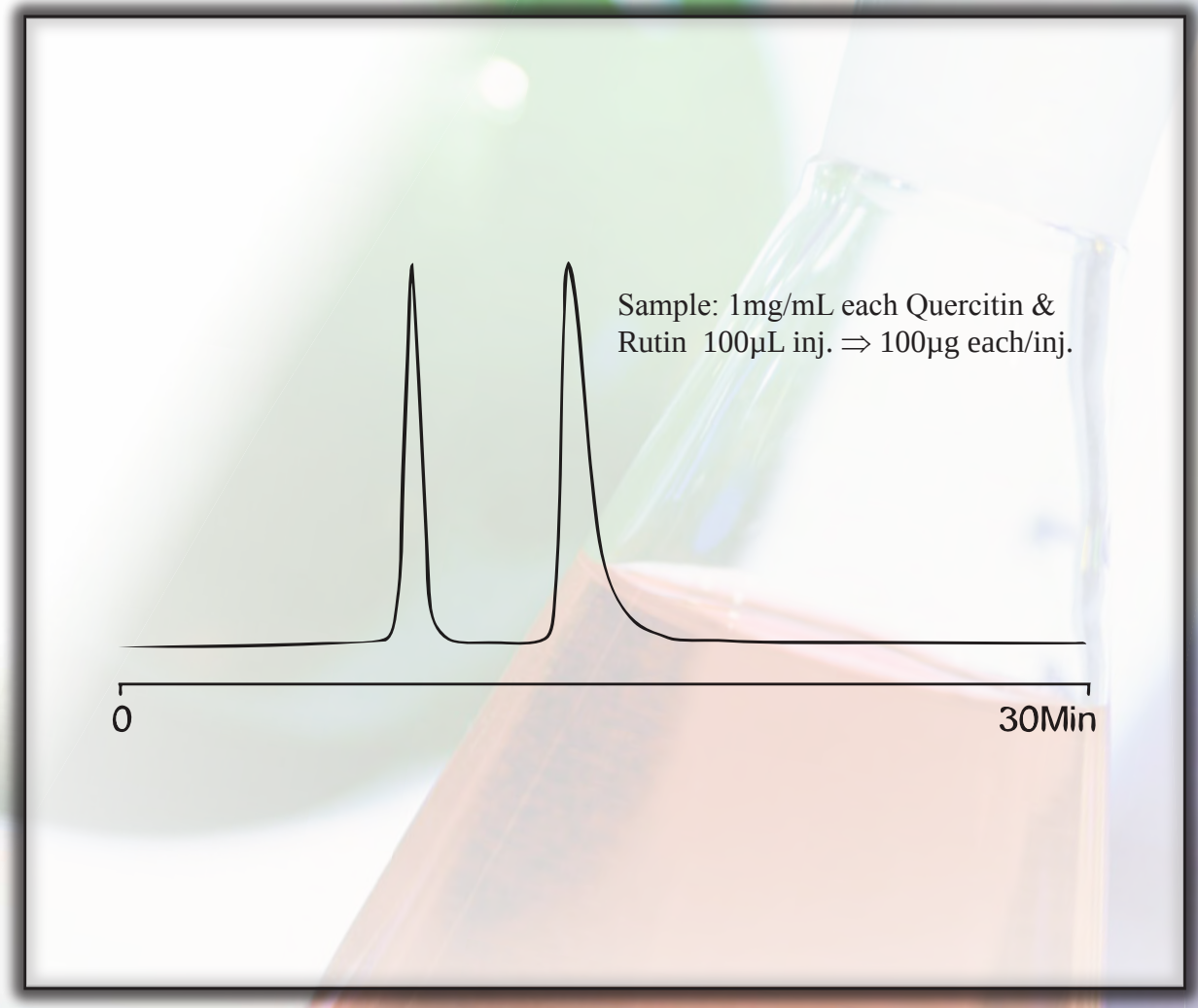
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

QUERCITIN and RUTIN

Part Number:	**16011**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**25cm X 10mm ID**
Solvent:	**75/25 Acetic Acid/MeOH**
Flow Rate:	**2.0mL/min.**
Injection:	**100µL**
Temperature:	**Ambient**
Detector:	**UV 360nm, 2 AUFS**





Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

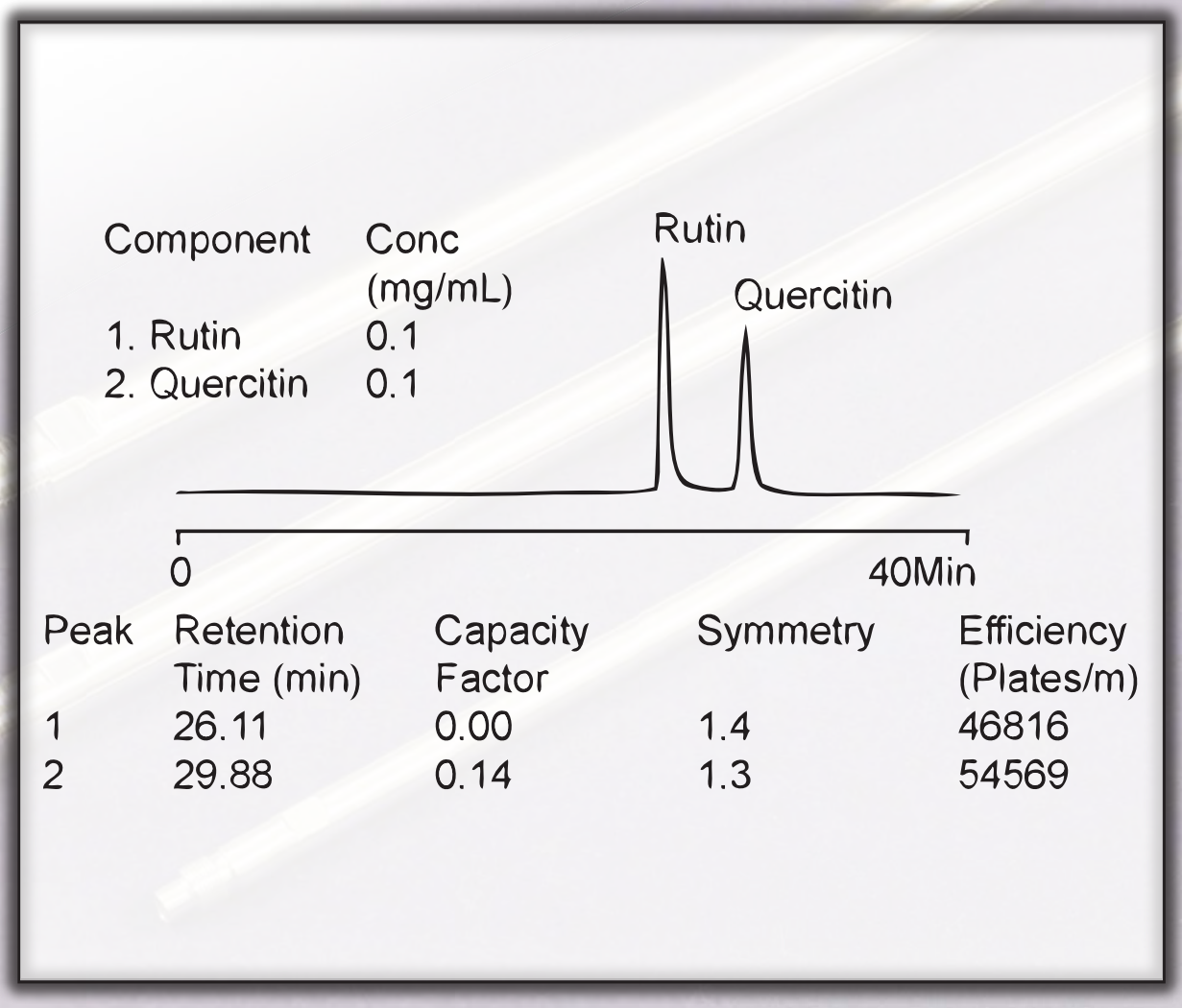
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

QUERCITIN and RUTIN

Part Number:	**15001**
Packing:	**Jordi DVB 500Å**
Column:	**50cm X 10mm ID**
Mobile Phase:	**50/50 Pyridine/Glacial Acetic Acid**
Flow Rate:	**1.0mL/min.**
Injection:	**15µL**
Temperature:	**40°C**
Detector:	**UV @ 365nm, Sens. 0.2AUFS, Press. 2500 PSIG**



Peak	Retention Time (min)	Capacity Factor	Symmetry	Efficiency (Plates/m)
1	26.11	0.00	1.4	46816
2	29.88	0.14	1.3	54569

Jordi Labs • 4 Mill St • Bellingham MA 02019
Phone: 508 966 1301 • Fax: 508 966 4063 • www.jordilabs.com • info@jordilabs.com

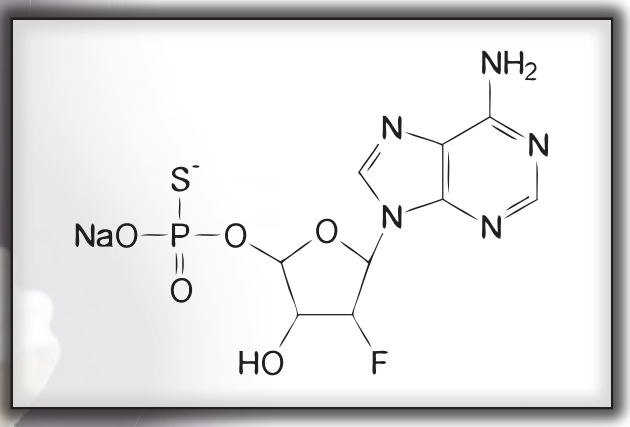
JORDI

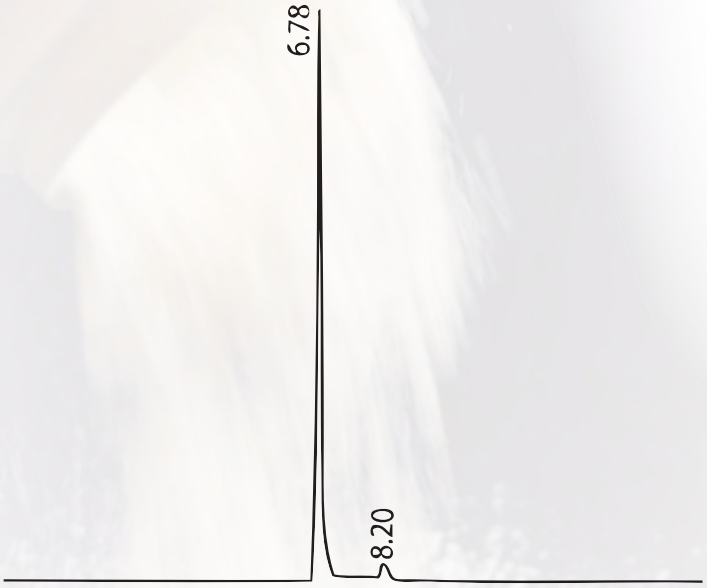
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

2'DEOXY-2'FLUOROADENOSINE ALPHATHIOPHOSPHATE

Part Number:	**16507**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**25cm X 4.6mm ID**
Gradient:	**The elution order of the standards is the monophosphate, the diastereomer triphosphate and finally the free nucleoside**
Buffer A:	**0.1M TEAA pH 7.0/ Acetonitrile 99/1**
Buffer B:	**0.1M TEAA pH 7.0/ Acetonitrile/ Methanol 50/25/25**
Flow Rate:	**1.0mL/min.**
Injection:	**10µL 10mM Standards**
Temperature:	**Ambient**
Detector:	**UV @260nm**





Gradient Linear

Time (min)	0	10	11	12	15
%A	90	0	0	90	90
%B	10	100	100	10	10

This column readily resolves this α-thiophosphate diastereomer. By switching to methanol versus a mixture of acetonitrile and methanol, higher baseline resolution can be achieved, even between the diastereomers.

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

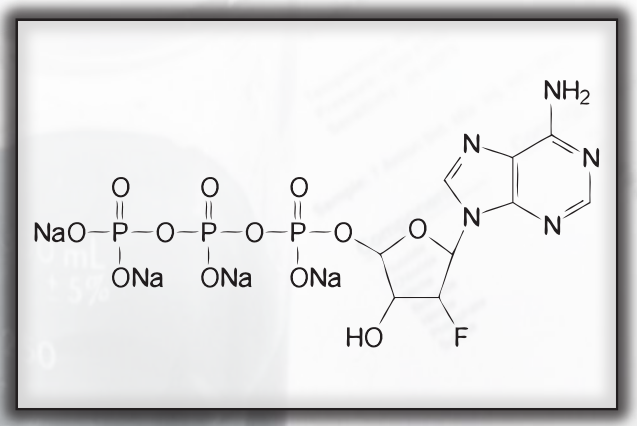
JORDI

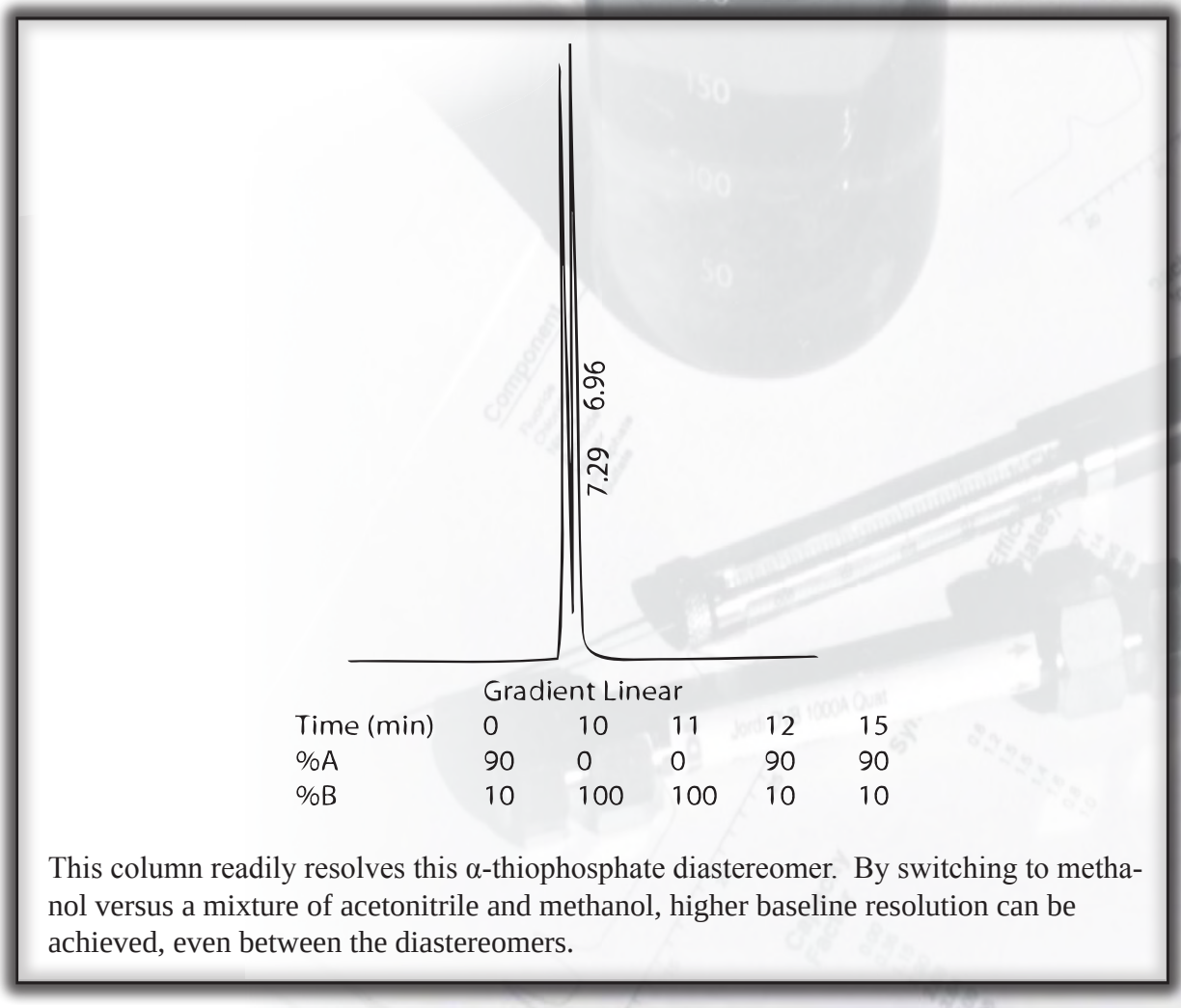
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

2'DEOXY-2'FLUOROADENOSINE α-THIOTRIPHOSPHATE, SODIUM SALT

Part Number:	**16507**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**25cm X 4.6mm ID**
Gradient:	**The elution order of the standards is the monophosphate, the diastereomer triphosphate and finally the free nucleoside**
Buffer A:	**0.1M TEAA pH 7.0/ Acetonitrile 99/1**
Buffer B:	**0.1M TEAA pH 7.0/ Acetonitrile/ Methanol 50/25/25**
Flow Rate:	**1.0mL/min.**
Injection:	**10µL 10mM Standards**
Temperature:	**Ambient**
Detector:	**UV @260nm**





Gradient Linear

Time (min)	0	10	11	12	15
%A	90	0	0	90	90
%B	10	100	100	10	10

This column readily resolves this α-thiophosphate diastereomer. By switching to methanol versus a mixture of acetonitrile and methanol, higher baseline resolution can be achieved, even between the diastereomers.

Jordi Labs • 4 Mill St • Bellingham MA 02019
Phone: 508 966 1301 • Fax: 508 966 4063 • www.jordilabs.com • info@jordilabs.com

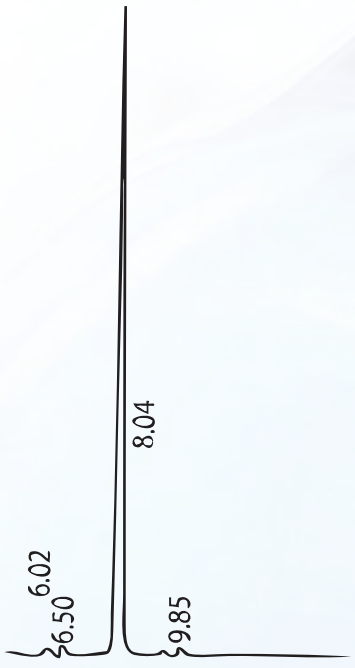
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

2'DEOXY-2'FLUOROADENOSINE

Part Number:	**16507**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**25cm X 4.6mm ID**
Gradient:	**The elution order of the standards is the monophosphate, the diastereomer triphosphate and finally the free nucleoside**
Buffer A:	**0.1M TEAA pH 7.0/ Acetonitrile 99/1**
Buffer B:	**0.1M TEAA pH 7.0/ Acetonitrile/ Methanol 50/25/25**
Flow Rate:	**1.0mL/min.**
Injection:	**10µL 10mM Standards**
Temperature:	**Ambient**
Detector:	**UV @260nm**



Gradient Linear

Time (min)	0	10	11	12	15
%A	90	0	0	90	90
%B	10	100	100	10	10

This column readily resolves this α-thiophosphate diastereomer. By switching to methanol versus a mixture of acetonitrile and methanol, higher baseline resolution can be achieved, even between the diastereomers.

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

MIX of 2'DEOXY-2'FLUOROADENOSINE ALPHATHIOTRIPHOSPHATE and 2'DEOXY-2'FLUOROADENOSINE

Part Number:	**16507**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**25cm X 4.6mm ID**
Gradient:	**The elution order of the standards is the monophosphate, the diastereomer triphosphate and finally the free nucleoside**
Buffer A:	**0.1M TEAA pH 7.0/ Acetonitrile 99/1**
Buffer B:	**0.1M TEAA pH 7.0/ Acetonitrile/ Methanol 50/25/25**
Flow Rate:	**1.0mL/min.**
Injection:	**10µL**
Temperature:	**Ambient**
Detector:	**UV @260nm**

Time	%A	%B	Flow
0	90	10	1.0
10	0	100	1.0
11	0	100	1.0
12	90	10	1.0
15	90	10	1.0

This column readily resolves this α-thiophosphate diastereomer. By switching to methanol versus a mixture of acetonitrile and methanol, higher baseline resolution can be achieved, even between the diastereomers.

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

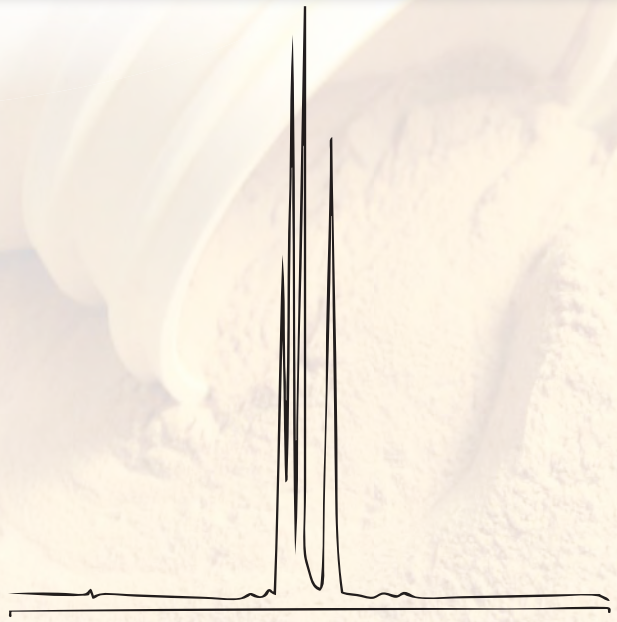
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

MIX of 2'DEOXY-2'FLUOROADENOSINE and the MONO and TRI-

Part Number:	**16507**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**25cm X 4.6mm ID**
Gradient:	**The elution order of the standards is the monophosphate, the diastereomer triphosphate and finally the free nucleoside**
Buffer A:	**0.1M TEAA pH 7.0/ Acetonitrile 99/1**
Buffer B:	**0.1M TEAA pH 7.0/ Acetonitrile/ Methanol 50/25/25**
Flow Rate:	**1.0mL/min.**
Injection:	**10µL**
Temperature:	**Ambient**
Detector:	**UV @260nm**



Time	%A	%B	Flow
0	90	10	1.0
10	0	100	1.0
11	0	100	1.0
12	90	10	1.0
15	90	10	1.0

This column readily resolves this α-thiophosphate diastereomer. By switching to methanol versus a mixture of acetonitrile and methanol, higher baseline resolution can be achieved, even between the diastereomers.

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

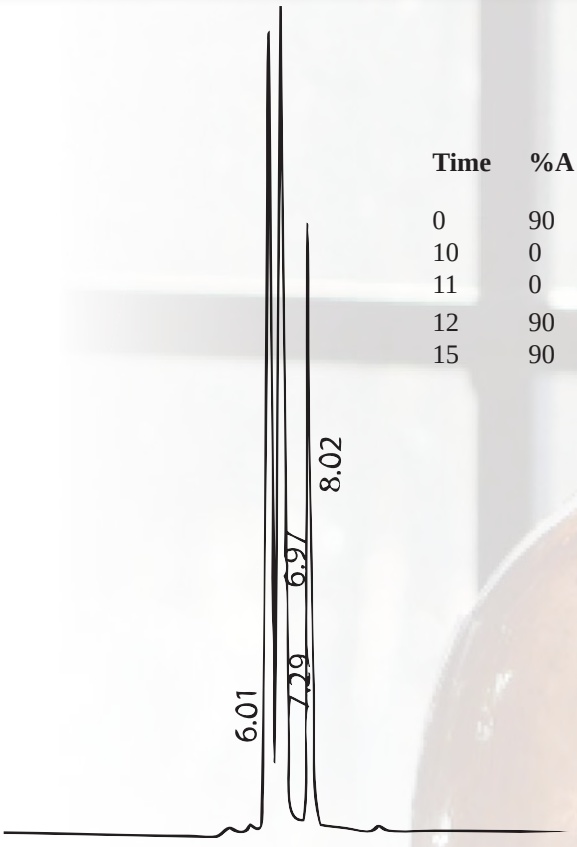
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

MIX of 2'DEOXY-2'FLUOROADENOSINE ALPHATHIOTRIPHOSPHATE and 2'DEOXY-2'FLUOROADENOSINE

Part Number:	**16507**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**25cm X 4.6mm ID**
Buffer A:	**99/1 0.1M TEAA, pH 7.0/Acetonitrile**
Buffer B:	**50/50 0.1M TEAA, pH 7.0/Acetonitrile**
Flow Rate:	**1.0mL/min.**
Injection:	**10µL**
Temperature:	**Ambient**
Detector:	**UV @260nm**



Time	%A	%B	Flow
0	90	10	1.0
10	0	100	1.0
11	0	100	1.0
12	90	10	1.0
15	90	10	1.0

This column readily resolves this α-thiophosphate diastereomer. By switching to methanol versus a mixture of acetonitrile and methanol, higher baseline resolution can be achieved, even between the diastereomers.

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

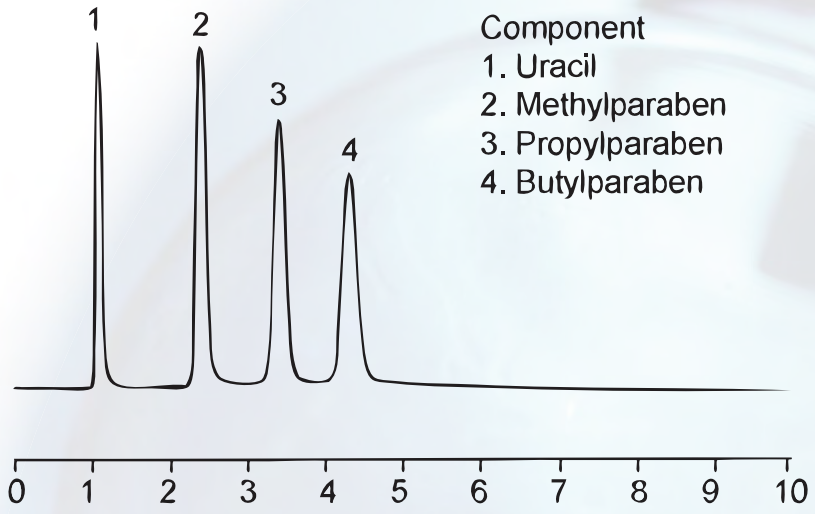
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

RP MIX

Part Number: 60026
Packing: Jordi DVB Reverse Phase 500Å
Column: 53cm X 7mm ID
Solvent: 10/20/30/40 MeOH/ACN/THF/H_2O
Flow Rate: 1.0mL/min.
Injection: 5µL
Concentration: 0.5mg/mL
Temperature: 50°C
Detector: UV @254nm, Sens. 2.0 AUFS, Press. 650 psig



Peak	Retention Time (min)	Capacity Factor	Symmetry	Efficiency (Plates/m)
1	1.10	0.00	1.5	18213
2	2.41	1.19	1.2	32134
3	3.41	2.10	1.1	47479
4	4.32	2.93	1.0	46744

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

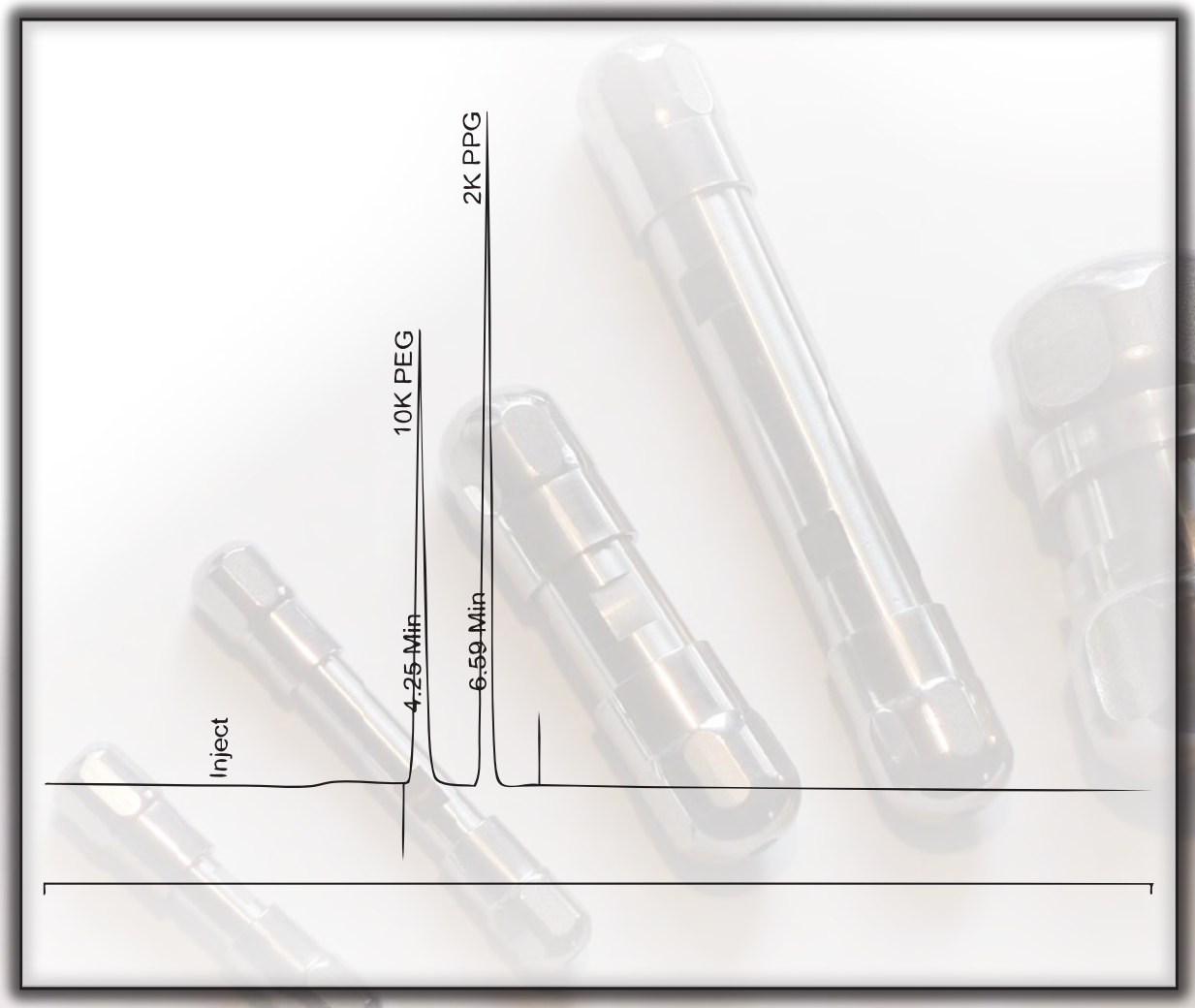
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

SEPARATION of POLYETHYLENE GLYCOL and POLYPROPYLNE GLYCOL

Part Number:	**16502**
Packing:	**Jordi DVB Reverse Phase 500Å**
Column:	**3- 15cm X 4.6mm ID**
Gradient:	**40/60 A/B → 100 B linear over 10 min.**
	A: 78/22 CH_3CN/H_2O B: 2-propanol
Flow Rate:	**1.0mL/min.**
Injection:	**20µL**
Concentration:	**1mg/mL**
Temperature:	**80°C**
Detector:	**Alltech Mark III ELSD, Attn: 16, Exhaust: 50°C, Flow 2.00 SLPM Air**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

SEPARATION of POLYETHYLENE GLYCOL and POLYPROPYLENE GLYCOL

Part Number:	**16502**
Packing:	**Jordi DVB 500Å**
Column:	**3- 15cm X 4.6mm ID**
Isocratic:	**2-propanol**
Flow Rate:	**1.0mL/min.**
Injection:	**20µL**
Concentration:	**1mg/mL**
Temperature:	**80°C**
Detector:	**Alltech Mark III ELSD, Attn: 16, Exhaust: 50°C, Flow 2.00 SLPM Air**

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

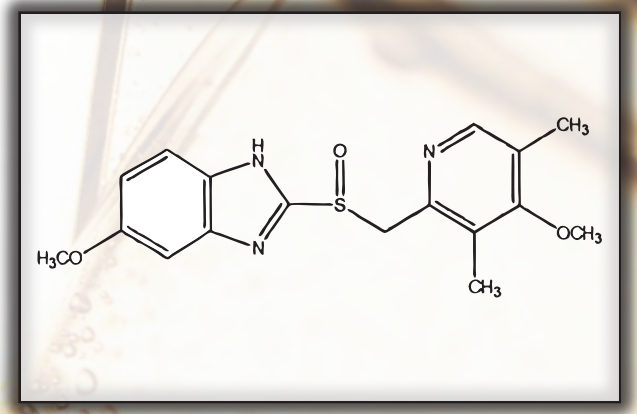
JORDI

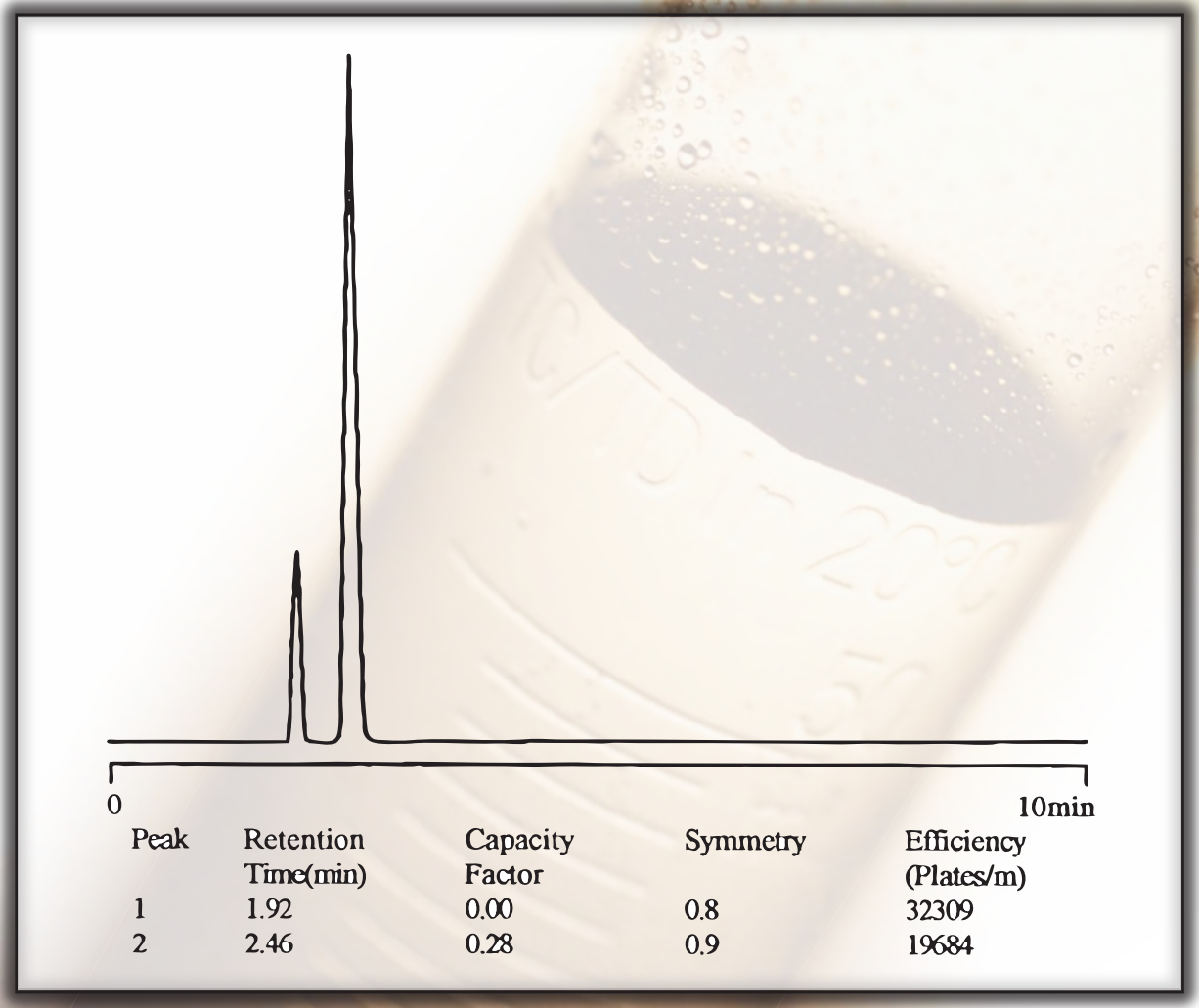
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

ANTIULCERATIVE OMEPRAZOLE

Part Number: 16502
Packing: Jordi DVB RP 500Å
Column: 15cm X 4.6mm ID
Mobile Phase: 10/20/30/40 MeOH/ACN/THF/H_2O
Flow Rate: 1.0mL/min.
Injection: 20µL
Concentration: 1mg/mL
Temperature: 50°C
Detector: UV @254nm, 2.0AUFS





Peak	Retention Time(min)	Capacity Factor	Symmetry	Efficiency (Plates/m)
1	1.92	0.00	0.8	32309
2	2.46	0.28	0.9	19684

Jordi Labs • 4 Mill St • Bellingham MA 02019
Phone: 508 966 1301 • Fax: 508 966 4063 • www.jordilabs.com • info@jordilabs.com

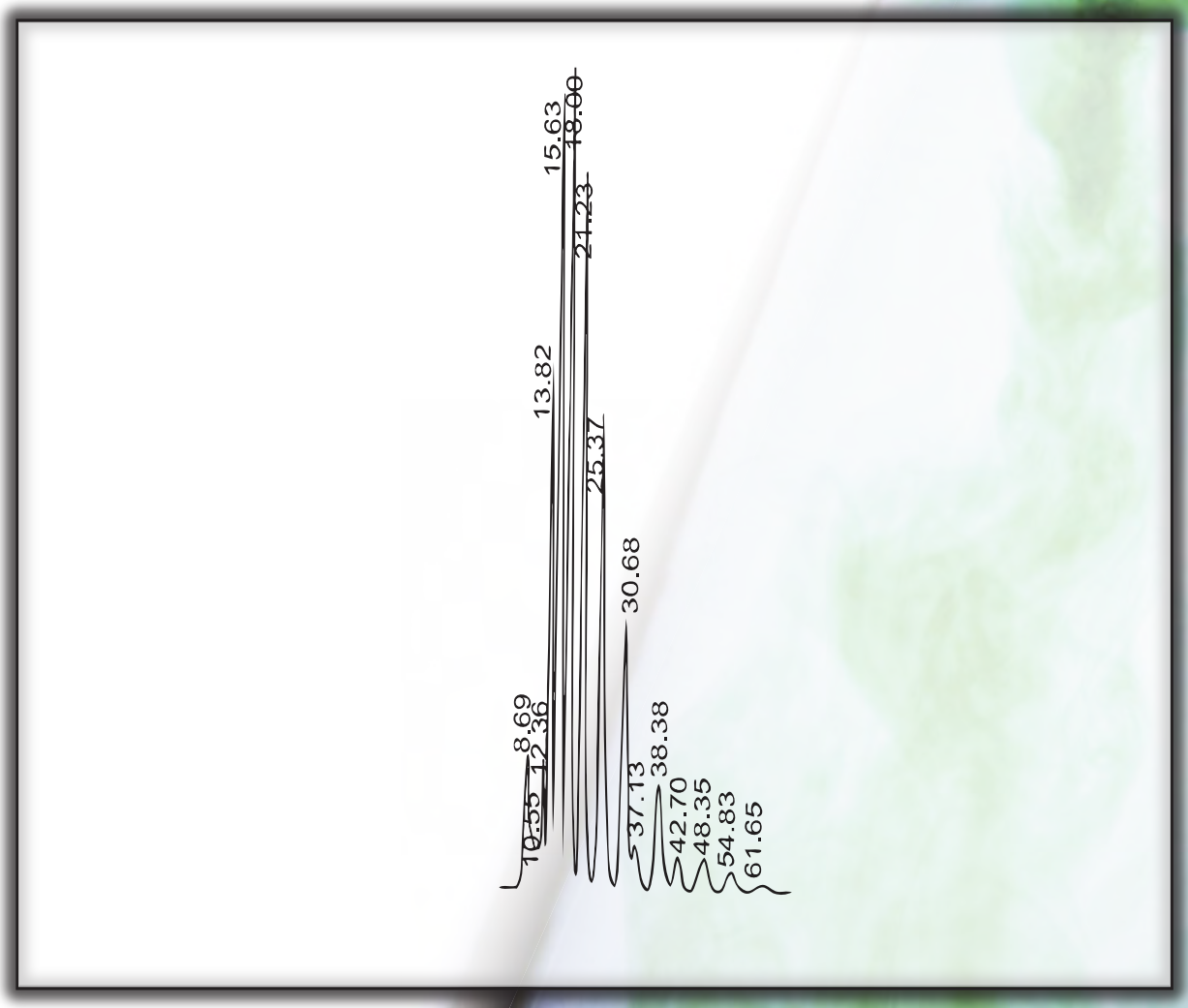
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

PEG 425

Part Number:	**16508**
Packing:	**Jordi DVB Reverse Phase 10^3Å**
Column:	**25cm x 4.6mm**
Solvent:	**60/40MeOH/ H_2O**
Flow Rate:	**0.5mL/min.**
Injection:	**50µL**
Temperature:	**N/A**
Detector:	**Alltech ELSD Attn 16, SLPM 16, Drift Tube 80°C**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

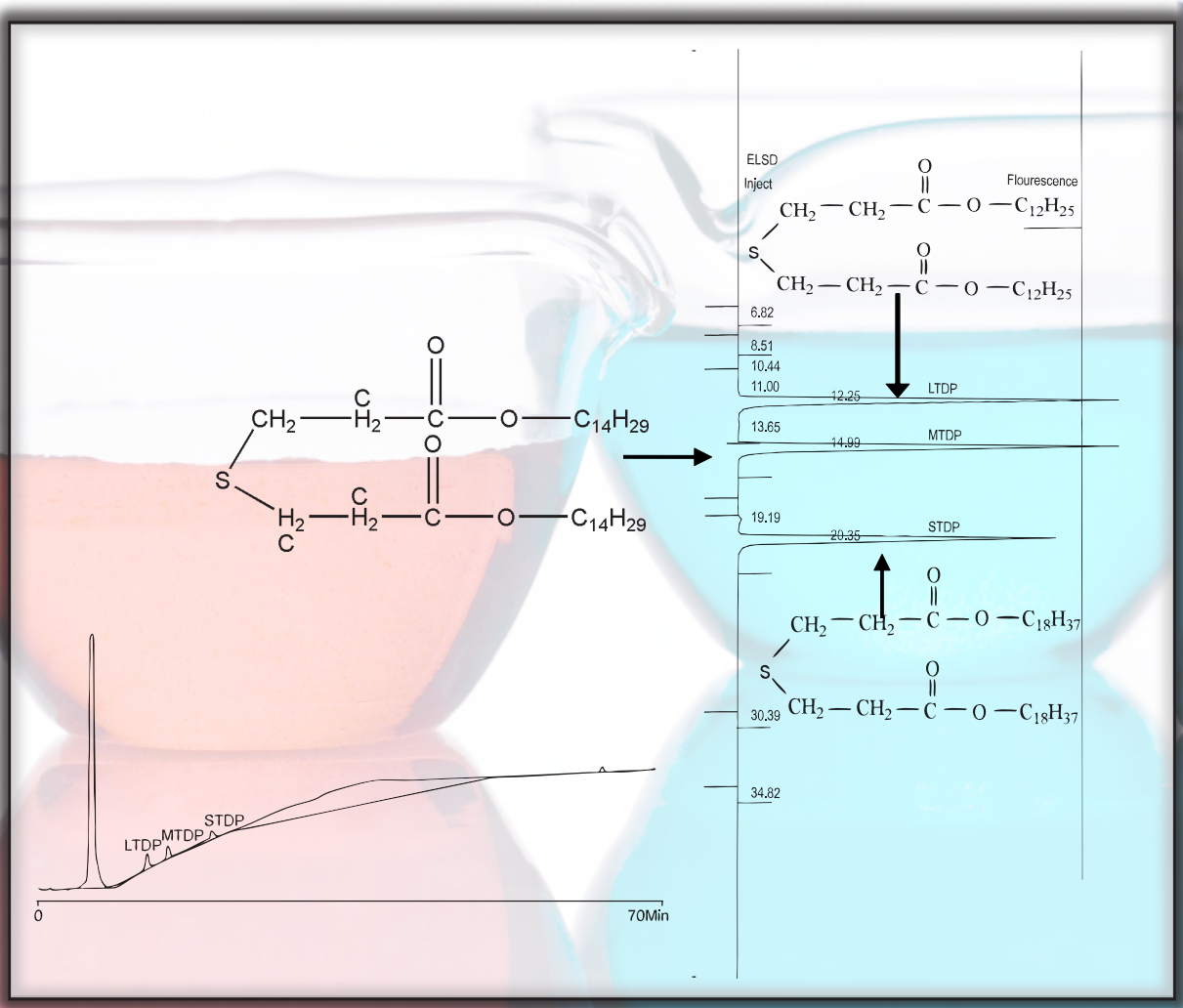
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

DILAURYLTHIODIPROPIONATE, DIMYRISTLTHIODIPROPIONATE, & DISTEARYLTHIODIPROPIONATE-POLYMER ANTIOXIDANTS

Part Number:	**15310**
Packing:	**Jordi DVB 10^3Å**
Column:	**25cm X 4.6mm ID**
Gradient:	**100% ACN → 100% 45/45/10 ACN/IPA/IO linear over 30 min**
Flow Rate:	**1.0mL/min.**
Injection:	**10µL (1mg/mL ea. std. in 50/50 $CHCl_3$/IO**
Temperature:	**80°C**
Detector:	**Waters 990 PDA &Alltech 500 ELSD**
990 PDA Cond:	**210nm 1 AUFS**
ELSD Conditions:	**Attn 16, Drift Tube 80°C, 2.0 SLPM House Air, Time 1 sec.**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

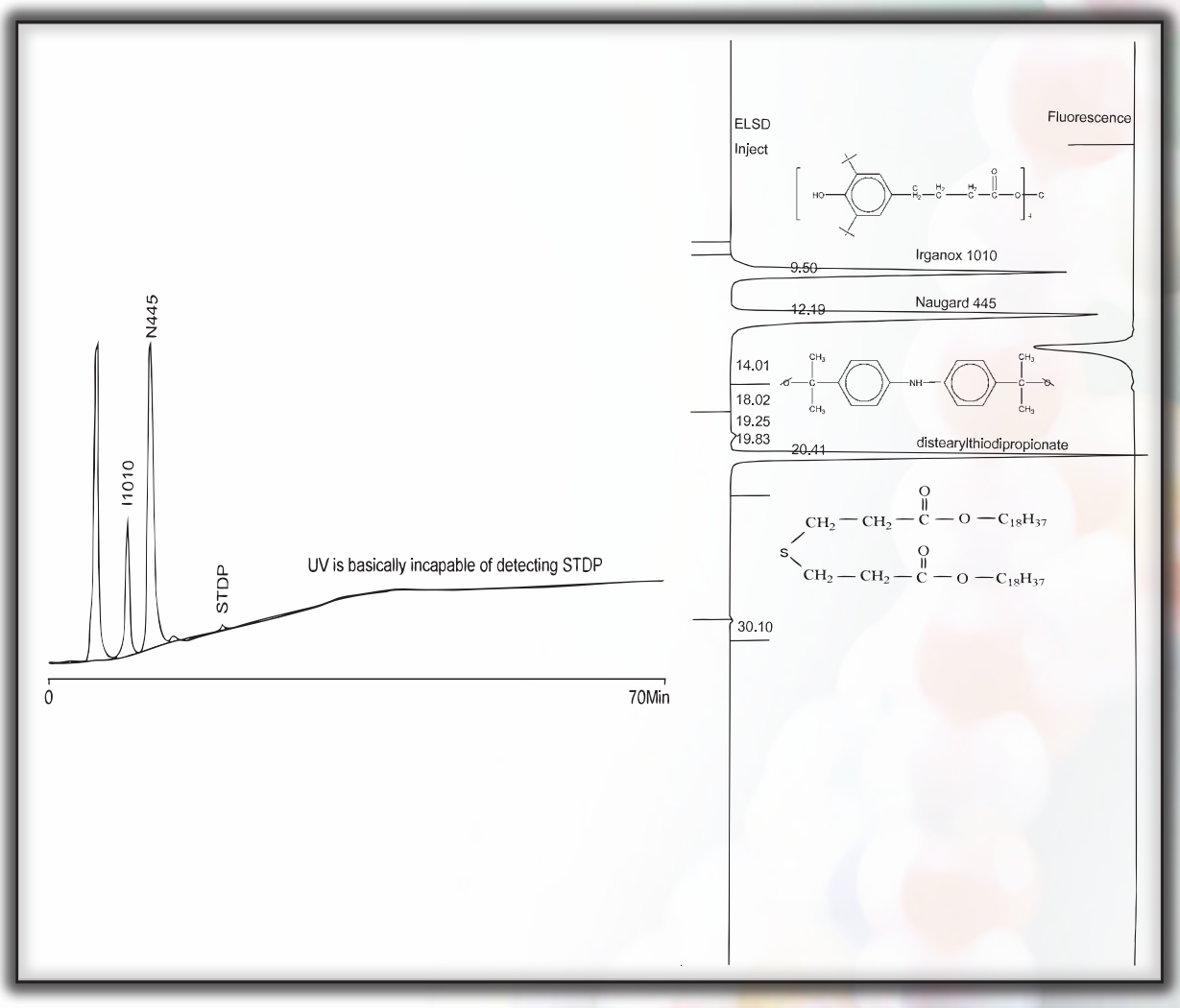
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

IRGANOX 1010, NAUGARD 445 & DISTEARYLTHIODIPROPIONATED-POLYMER ANTIOXIDANTS

Part Number: 15310
Packing: Jordi DVB 10^3Å
Column: 25cm X 4.6mm ID
Solvent: 100% ACN → 100% 45/45/10 ACN/IPA/IO linear over 30min.
Flow Rate: 1.0mL/min.
Injection: 10µL (1mg/mL ea. std. in 50/50 $CHCl_3$/IO)
Temperature: 80°C
Detector: Waters 990 PDA &Alltech 500 ELSD
Waters 990 Cond.: 215nm 1 AUFS
Alltech ELSD Cond: Attn 16, Drift Tube 80°C, 2.0 SLPM House Air, Time 1 sec.



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

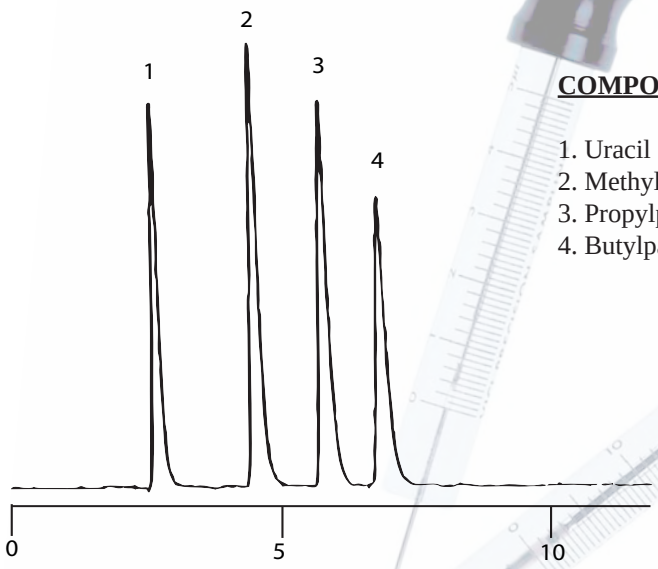
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

REVERSE PHASE MIX

Part Number: 16508
Packing: Jordi DVB Reverse Phase 10^3Å
Column: 25cm X 4.6mm ID
Mobile Phase: 10/20/30/40 MeOH/ACN/THF/H_2O
Flow Rate: 1.0mL/min.
Injection: 3µL
Conc.: 0.5mg/mL of Uracil, Methylparaben, Propylparaben, Butylparben
Temperature: 50°C
Detector: UV @254nm, Sens. 2.0 AUFS



COMPONENT	CONC. (mg/mL)
1. Uracil	0.5
2. Methylparaben	0.5
3. Propylparaben	0.5
4. Butylparaben	0.5

PEAK	RETENTION TIME (min.)	CAPACITY FACTOR	SYMMETRY	EFFICIENCY (Plates/m)
1	2.72	0.00	2.3	11399
2	4.55	0.67	2.5	19698
3	5.83	1.14	2.0	25595
4	6.91	1.54	1.0	29562

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

SEA NINE 211 ROHM & HAAS ANTIFOULING AGENT

Part Number:	**15310**
Packing:	**Jordi DVB Organic 10^3Å**
Column:	**25cm X 4.6mm ID**
Gradient:	**78/22 → 100/0 CH_3CN/H_2O linear over 30min.**
Flow Rate:	**1.0mL/min.**
Injection:	**See Curve for details**
Temperature:	**80°C**
Detector:	**Waters 990 PDA, 225nm or 283nm 1.0 AUFS**

10µL inj. 1/100 dilution of Sea Nine 211-30% (4,5,dichloro-2-n-octyl-4-isothiazolin-3-one and 70% xylene). Thus each injection contained approximately 7mg xylene and 3mg active ingredient

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

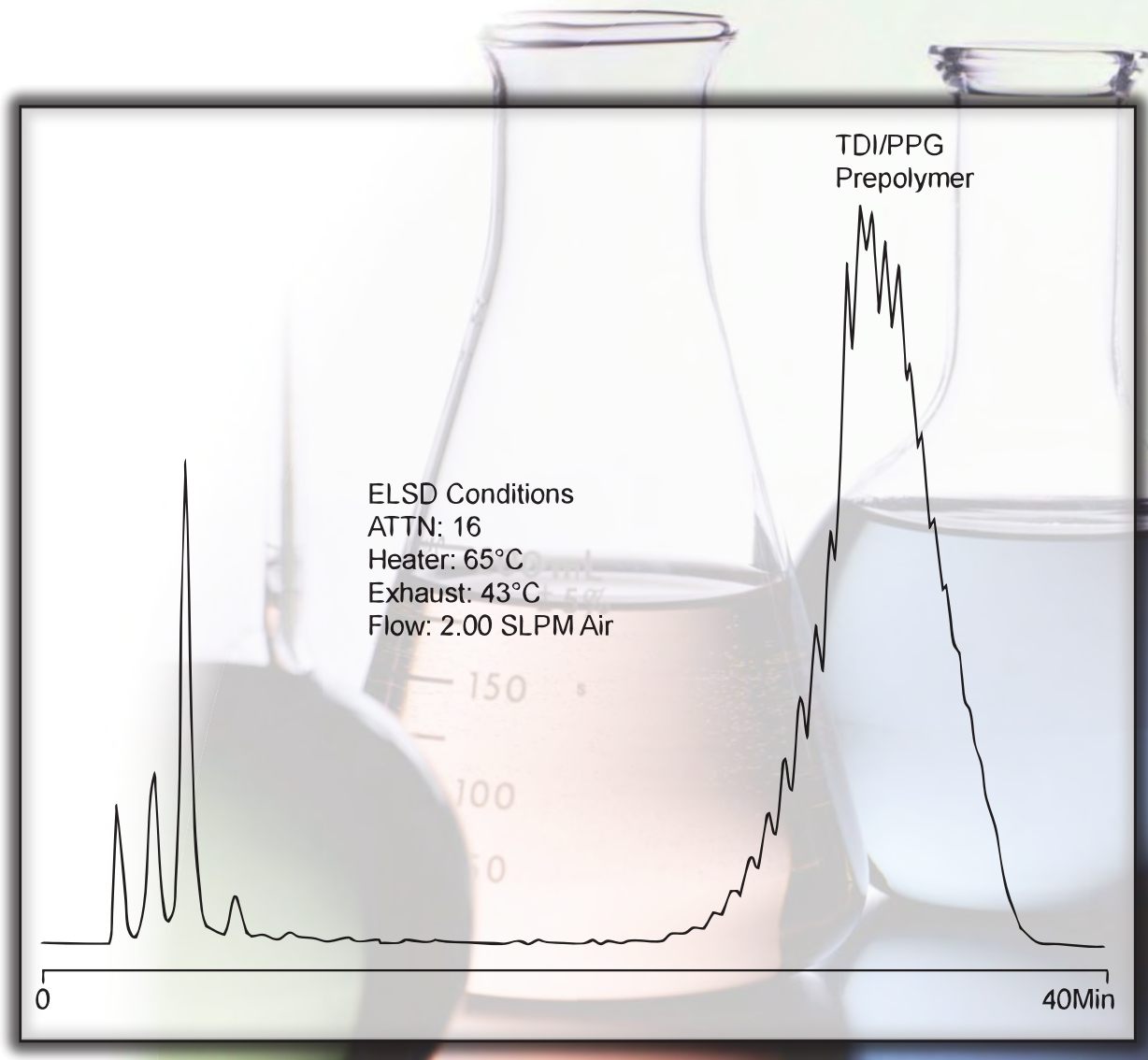
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

URETHANE PREPOLYMER

Part Number:	**16508**
Packing:	**Jordi DVB Reverse Phase 10^3Å**
Column:	**25cm X 4.6mm ID**
Gradient:	**100/0 → 0/100 ACN/$CHCl_3$ linear over 30min.**
Flow Rate:	**1.0mL/min.**
Injection:	**5µL**
Temperature:	**65°C**
Detector:	**Alltech 500 ELSD, see curve for details**
Conc.:	**100mg/mL**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

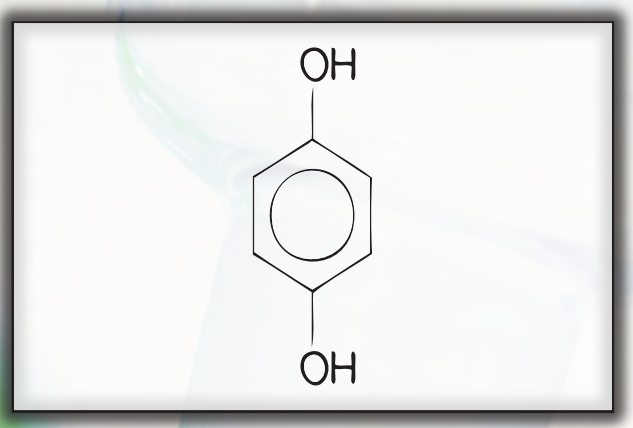
JORDI

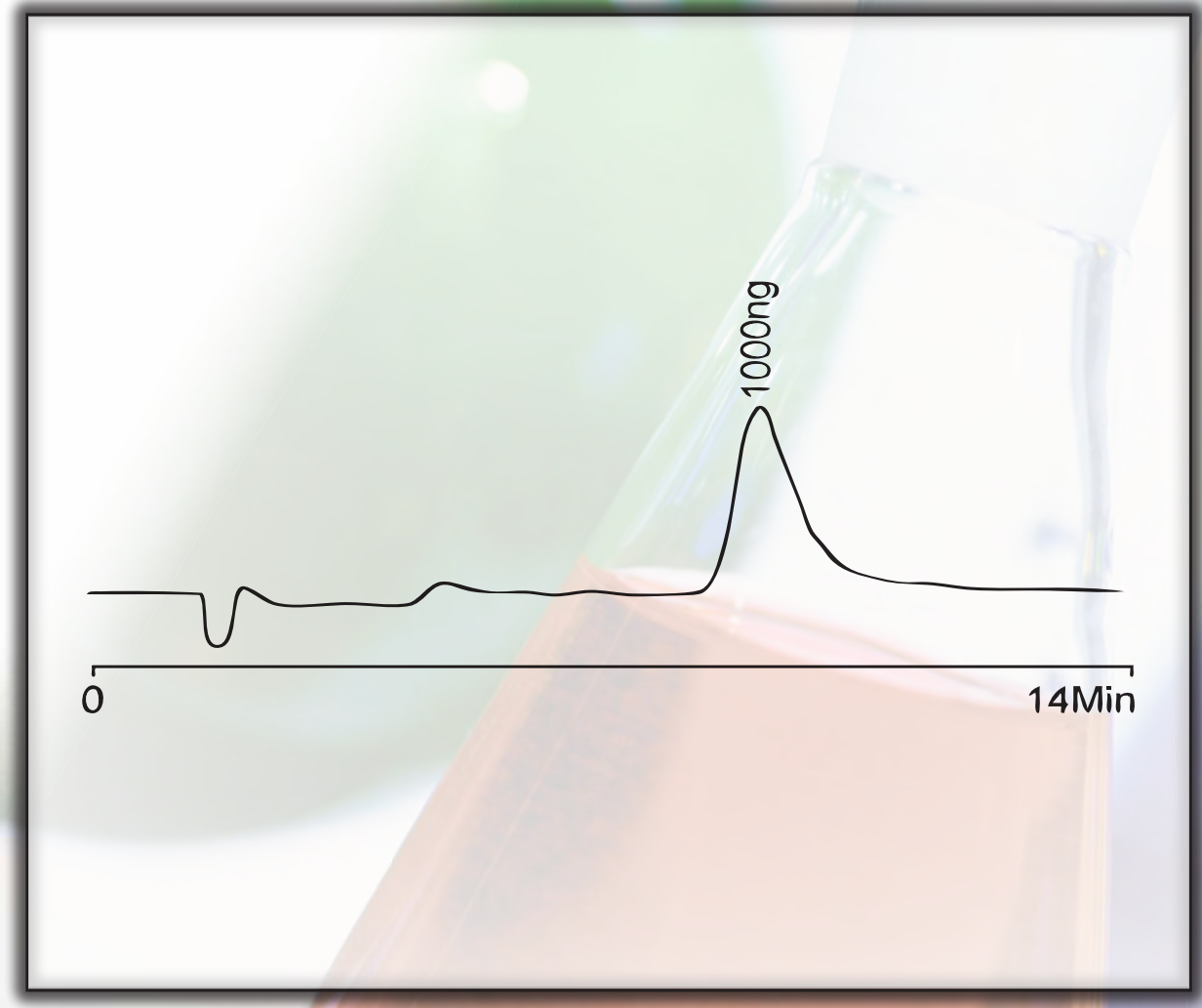
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

HYDROQUINONE

Part Number:	**16508**
Packing:	**Jordi DVB Reverse Phase 10^3Å**
Column:	**25cm X 4.6mm ID**
Isocratic:	**10/10/80 MeOH/ACN/H_2O w/0.1% TFAfor 15min. then flush with THF for15min. and then re-equilibrate with initial mobile phase.**
Flow Rate:	**1.0mL/min.**
Injection:	**100µL**
Temperature:	**80°C**
Detector:	**Waters 990 PDA @290nm**
Conc.:	**10µg/mL**





Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

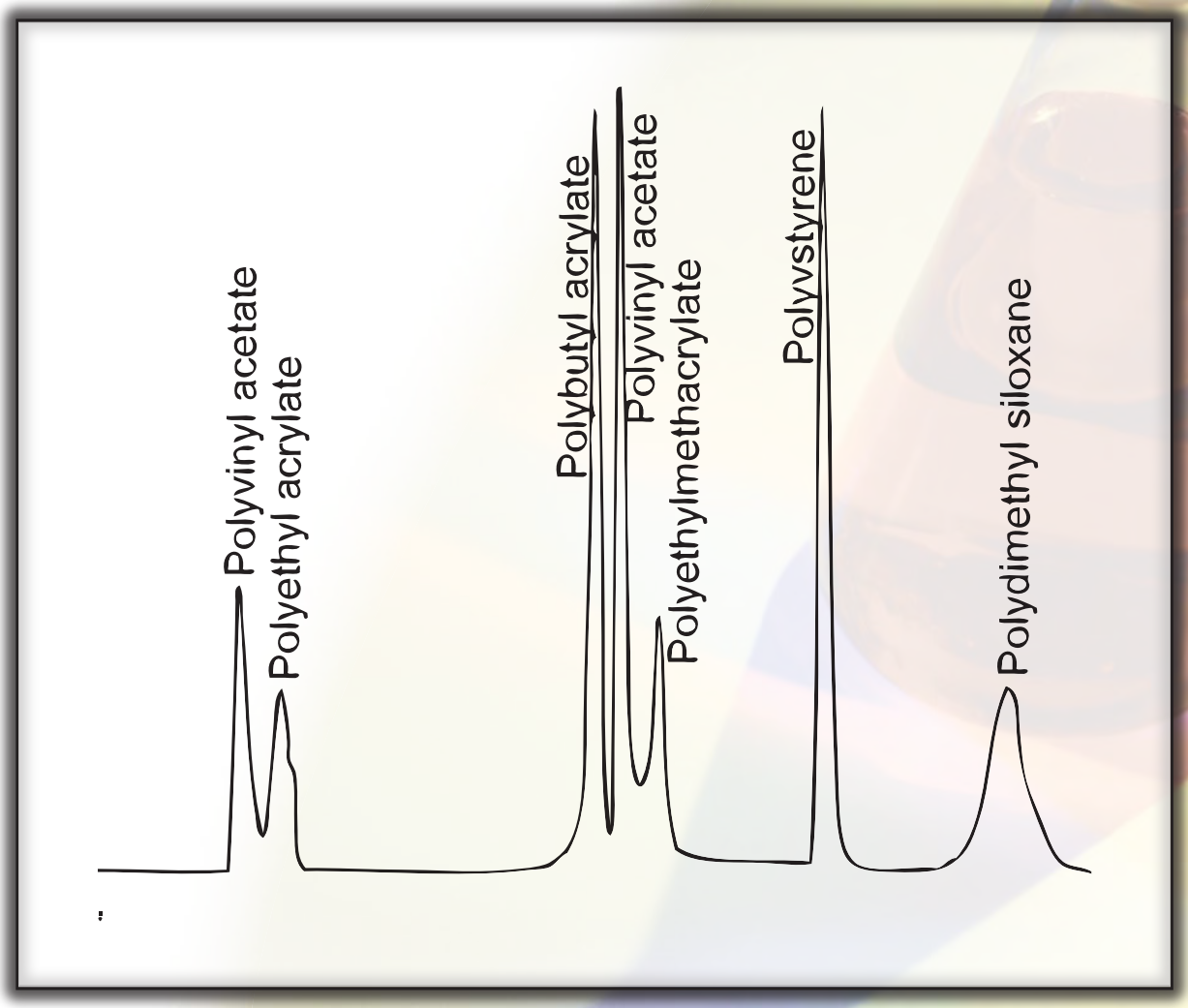
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

POLYMER SAMPLE SEPARATIONS USING RP CHROMATOGRAPHY

Part Number:	**16508**
Packing:	**Jordi DVB Reverse Phase 10^3Å**
Column:	**25cm X 4.6mm ID**
Gradient:	**100/0 → 0/100 ACN/$CHCl_3$ linear over 30 min.**
Flow Rate:	**1.0mL/min.**
Injection:	**20µL**
Conc.:	**5mg/mL**
Temperature:	**65°C**
Detector:	**Alltech 500 ELSD: ATTN 16, Heater 65°C Exhaust 43°C, Flow 2.00 SLPM Air**



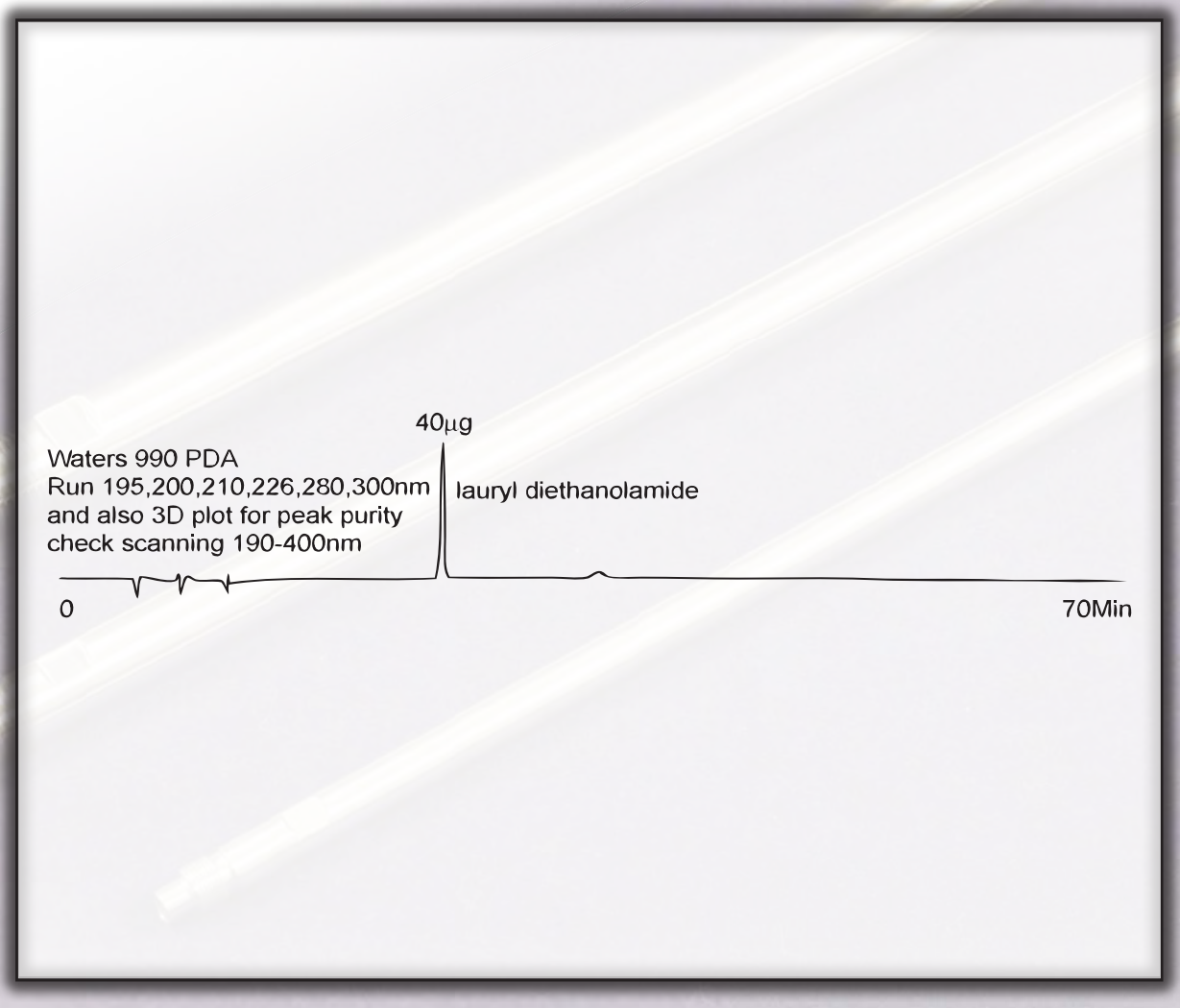
Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

ANTI STATIC ANALYSIS

Part Number:	**16508**
Packing:	**Jordi DVB Reverse Phase10^3Å**
Column:	**25cm X 4.6mm ID**
Gradient:	**78/22 → 100/0 CH_3CN/H_2O over 30 min. linear**
Flow Rate:	**1.0mL/min.**
Injection:	**10µL**
Concentration:	**4mg/mL**
Temperature:	**80°C**
Detector:	**Waters 990 PDA, see curve for conditions**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

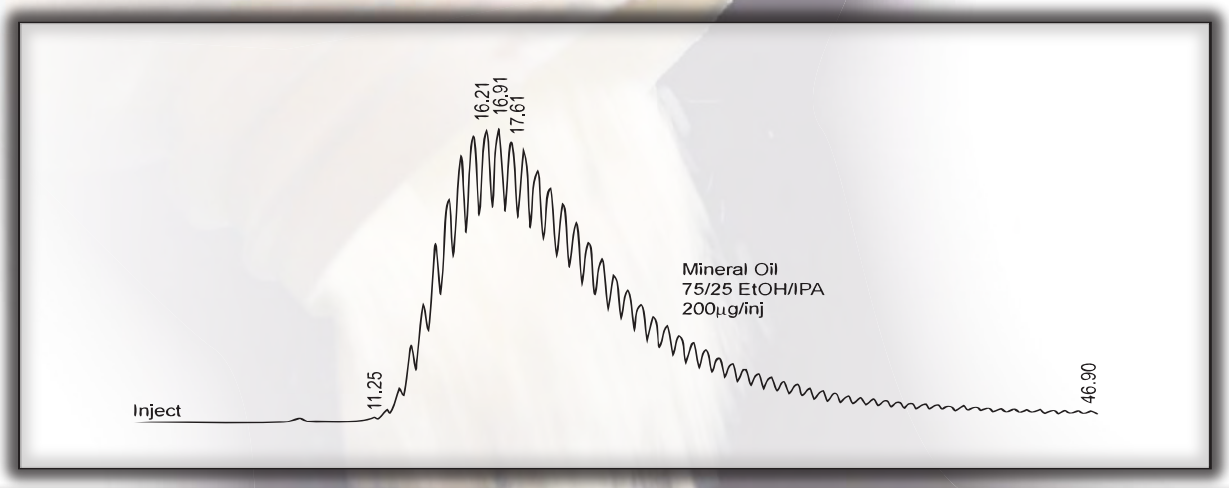
JORDI

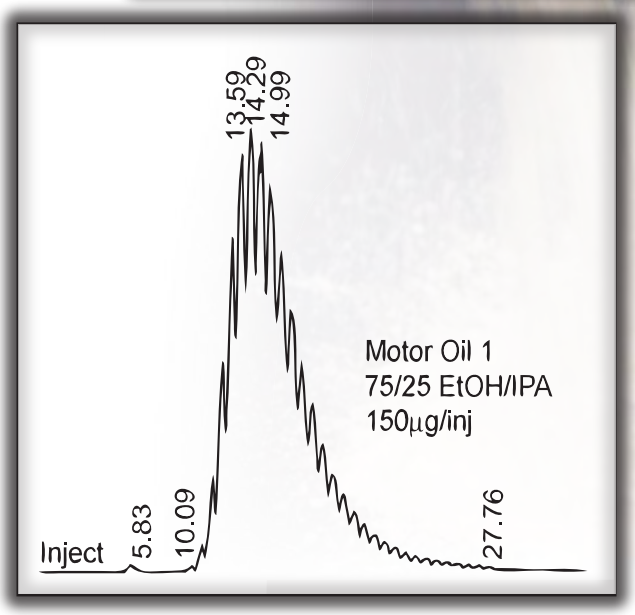
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

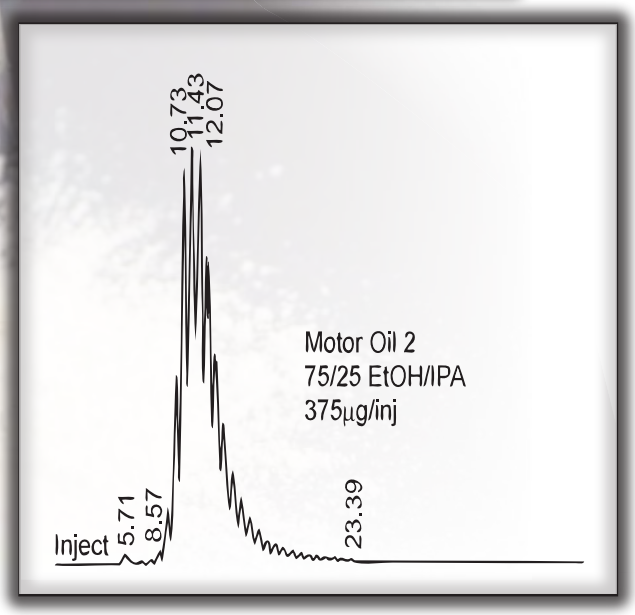
HPLC APPLICATION

MINERAL and MOTOR OILS

Part Number:	**16508**
Packing:	**Jordi DVB RP 10³Å**
Column:	**25cm X 4.6mm ID**
Isocratic:	**75/25 Ethanol/2-Propanol**
Flow Rate:	**1.0mL/min.**
Injection:	**See Curve Detail**
Temperature:	**80°C**
Detector:	**Alltech 500 ELSD**
ELSD Conditions:	**ATTN 4 Heater 70°C Exhaust 50°C Flow 2.0 SLPM**







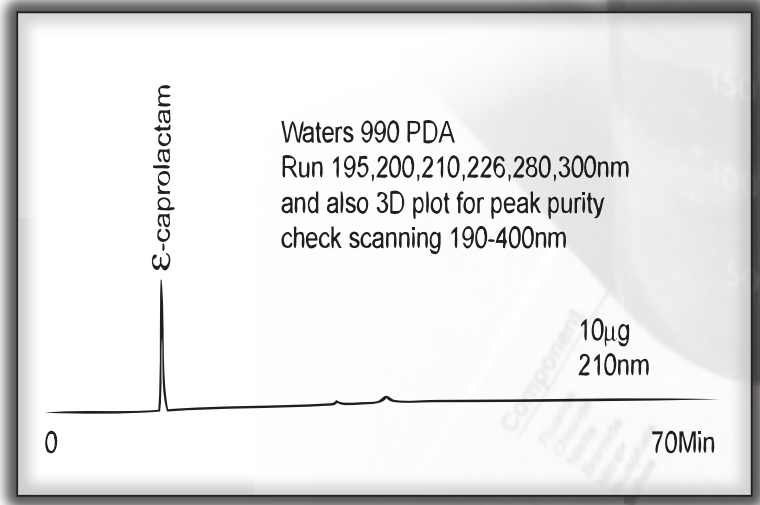
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

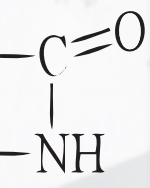
NYLON 6 MONOMER ANALYSIS

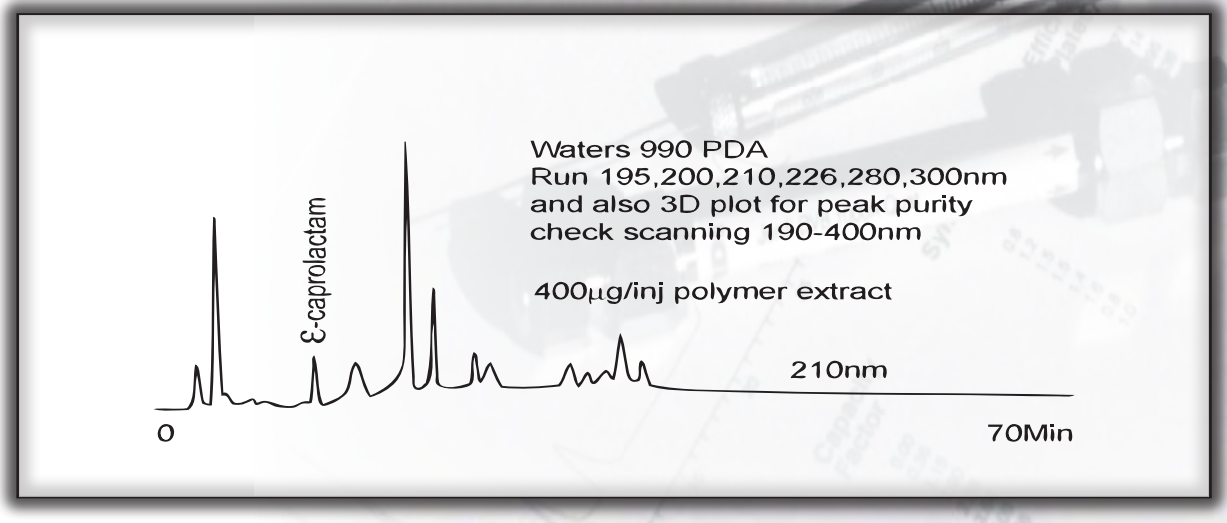
Part Number:	**16508**
Packing:	**Jordi DVB Reverse Phase10^3Å**
Column:	**25cm X 4.6mm ID**
Gradient:	**10/90 → 100/0 CH_3CN/H_2O Linear over 30 min.**
Flow Rate:	**1.0mL/min.**
Injection:	**40µL of 10mg/mL extract**
Temperature:	**80°C**
Detector:	**Waters 990 PDA, see curve detail for conditions**



NYLON SPOON EXTRACT

ε-caprolactam





Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

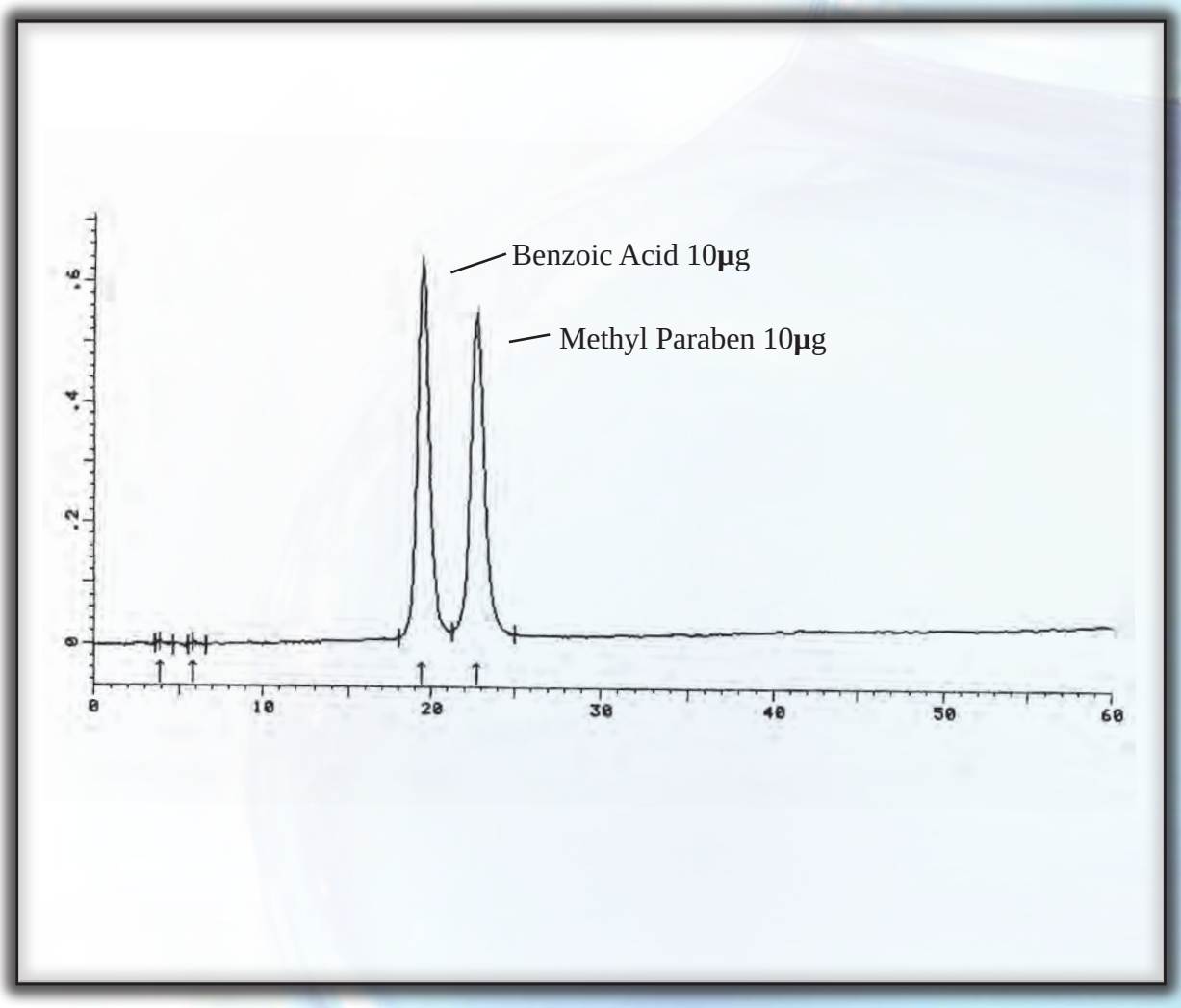
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

BENZOIC ACID

Part Number:	**16508**
Packing:	**Jordi Gel DVB**
Column:	**1-250 X 4.6 mm 10^3 Å**
Solvent:	**35/5/60 MeOH/THF/H_2O+0.1% TFA**
Flow Rate:	**1.0mL/min.**
Injection:	**10µL**
Concentration:	**1 mg/mL Standards 10 µg/inj each Standard**
Temperature:	**80°C**
Detector:	**Waters 990 PDA , 240 nm 0.6 AuFS**



Jordi Labs • 4 Mill St • Bellingham MA 02019
Phone: 508 966 1301 • Fax: 508 966 4063 • www.jordilabs.com • info@jordilabs.com

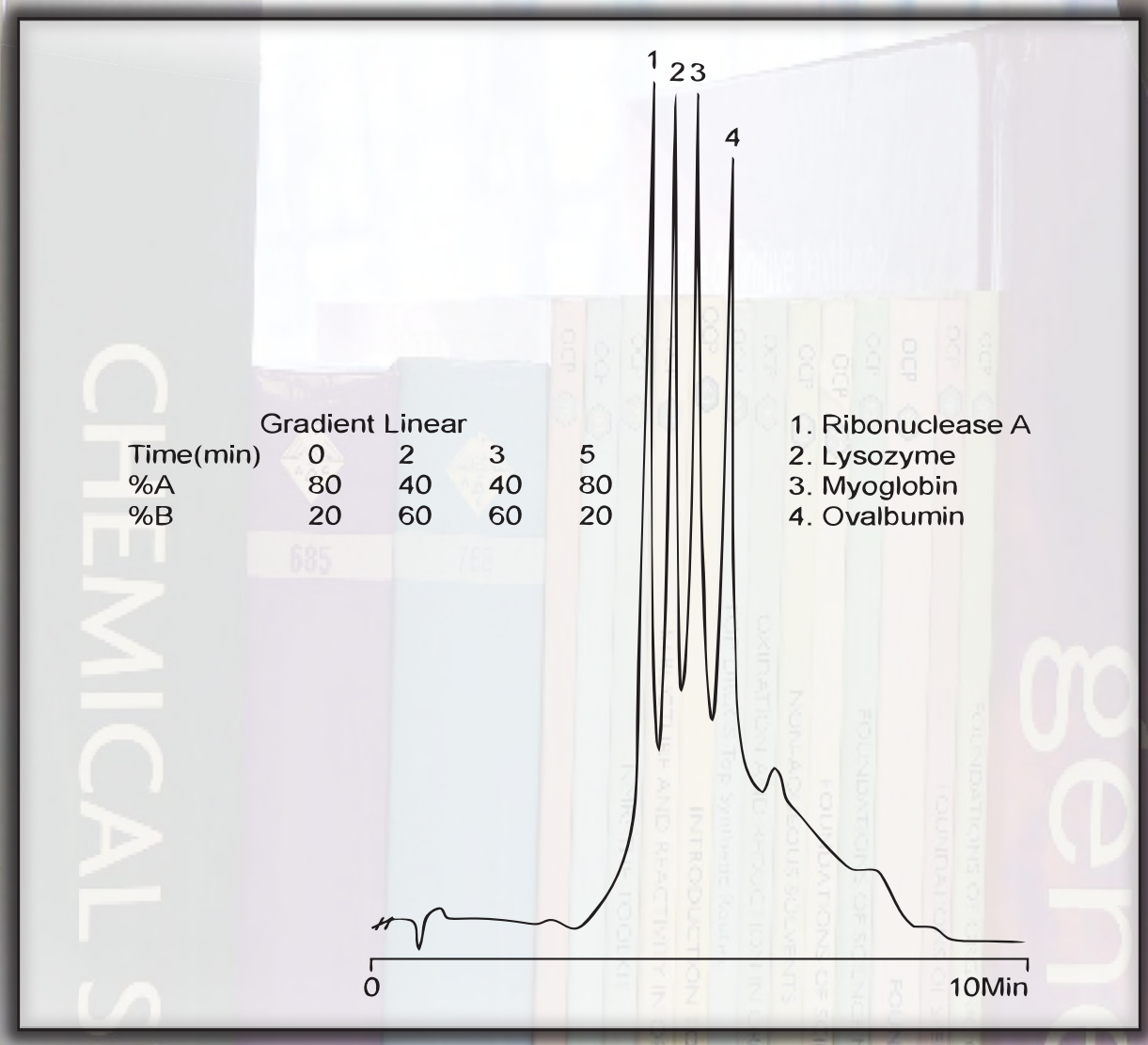
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

PROTEINS and ENZYMES

Part Number:	**17020**
Packing:	**Jordi DVB Solid Bead**
Column:	**10cm X 10mm ID**
Solvent A:	**0.1% TFA in H_2O**
Solvent B:	**0.1% TFA in ACN**
Flow Rate:	**3.0mL/min.**
Injection:	**20µL**
Temperature:	**25°C**
Detector:	**UV @215nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

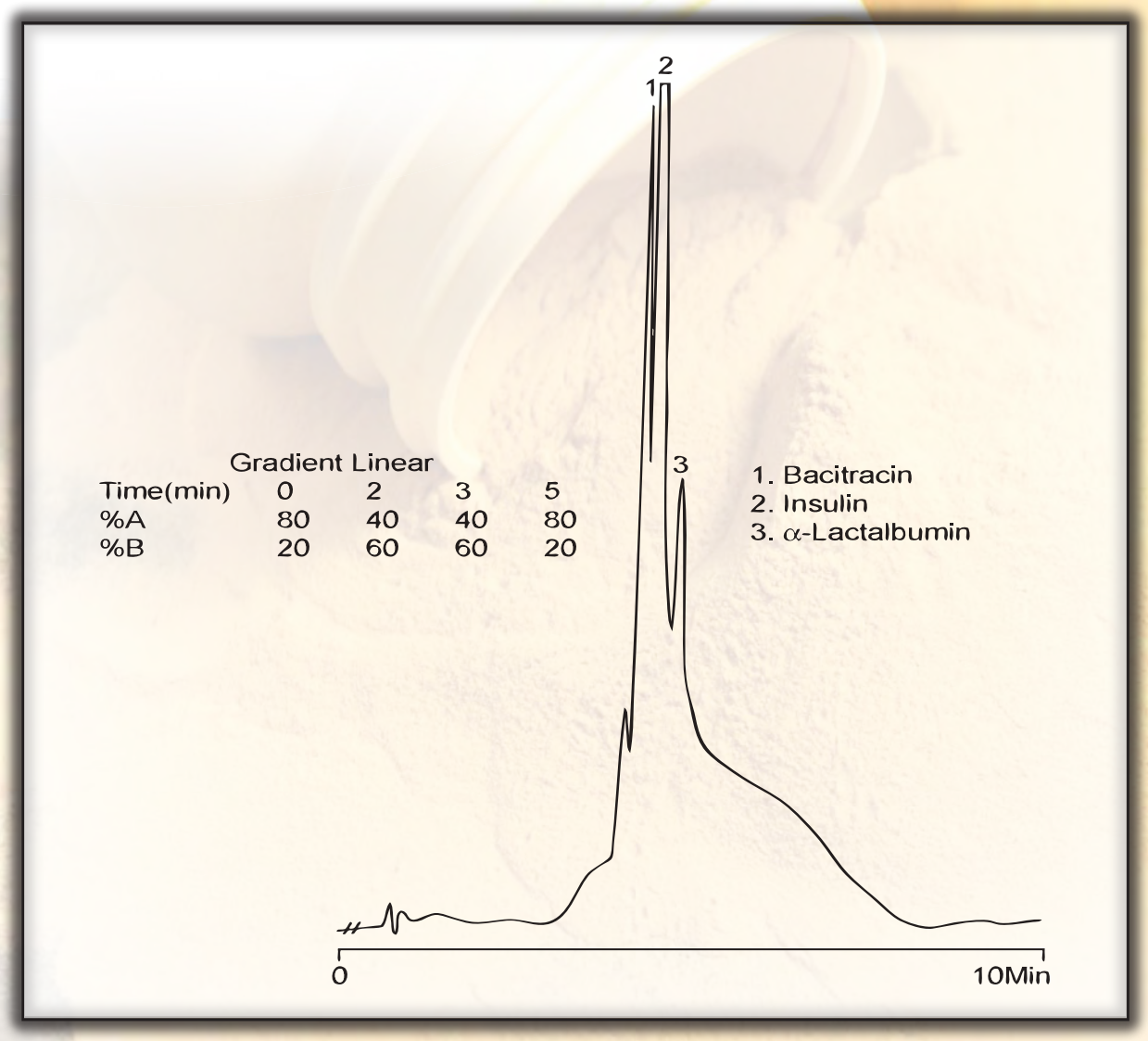
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

PROTEINS

Part Number:	**17020**
Packing:	**Jordi DVB Solid Bead**
Column:	**10cm X 10mm ID**
Solvent A:	**0.1% TFA in H_2O**
Solvent B:	**0.1% TFA in ACN**
Flow Rate:	**3.0mL/min.**
Injection:	**50µL**
Temperature:	**25°C**
Detector:	**UV @215nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

Glucose DVB

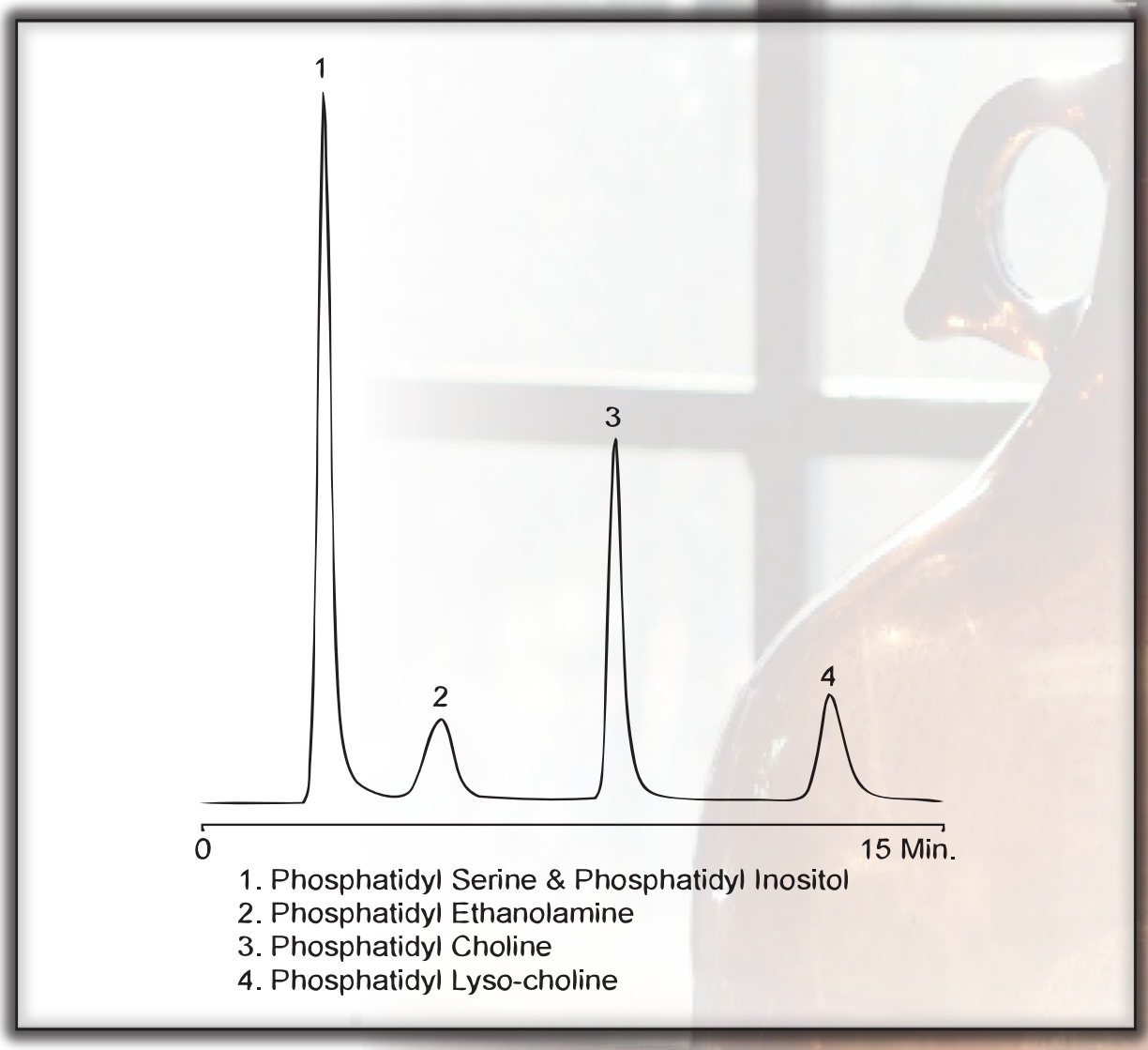
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

PHOSPHOLIPID MIXTURE

Part Number:	**15061**
Packing:	**Jordi DVB Glucose 500Å**
Column:	**25cm X 10mm ID**
Solvent:	**48/42/10 $CHCl_3$/MeOH/H_2O w/0.2% NH_4OH**
Flow Rate:	**1.0mL/min.**
Injection:	**2µL of 2mg/mL solution**
Temperature:	**25°C**
Detector:	**Evaporative Light Scattering, Varex IIA**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

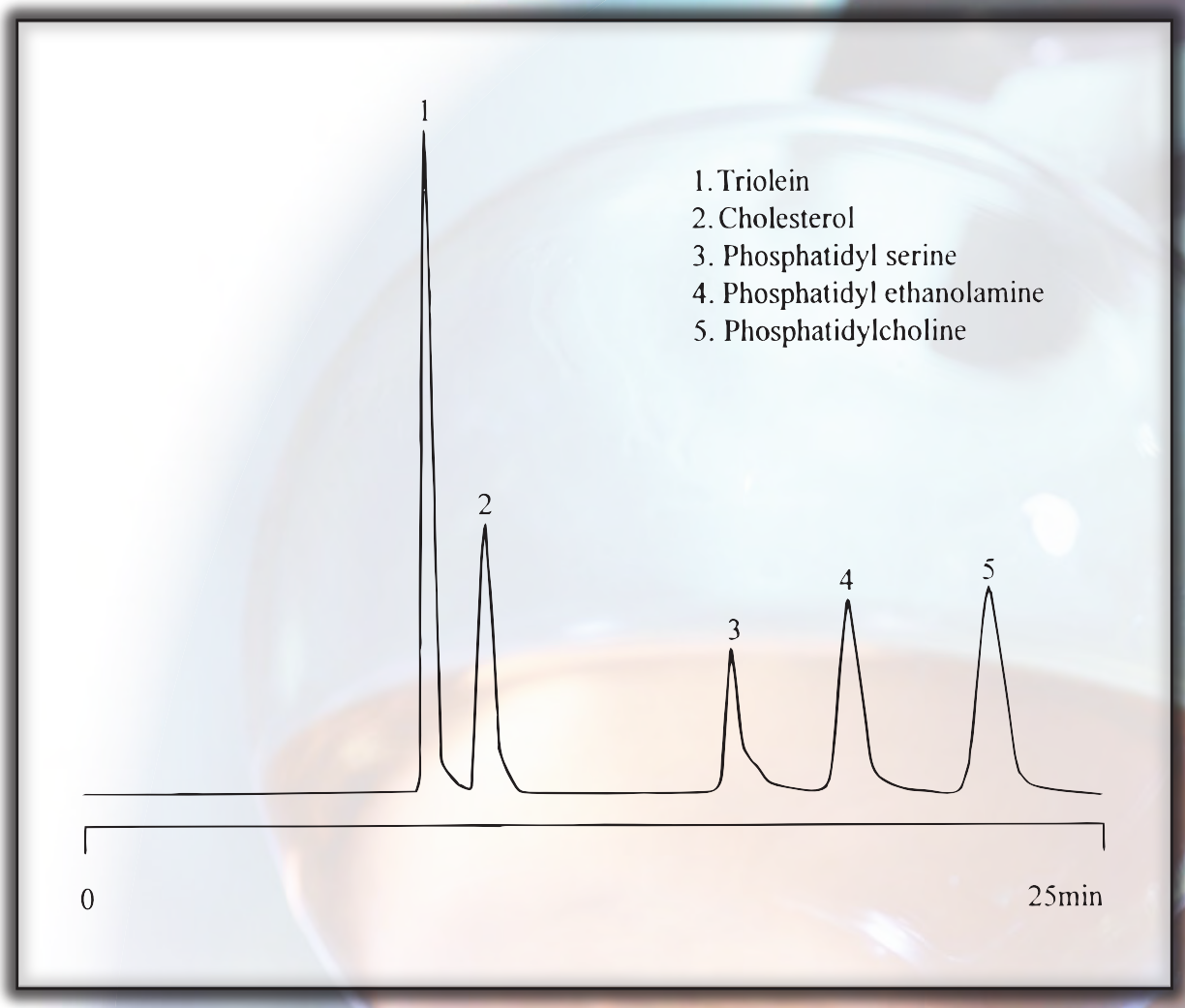
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

LIPIDS and A TRIGLYCERIDE

Part Number:	**18610**
Packing:	**Jordi DVB Glucose NP 500Å**
Column:	**25cm X 10mm ID**
Mobile Phase:	**50/43/7 Chloroform/Methanol/0.15% TFA in H_2O**
Flow Rate:	**1.0mL/min.**
Injection:	**N/A**
Concentration:	**N/A**
Temperature:	**Ambient**
Detector:	**ELSD MKIII, Drift Tube Temp. 80°C with Nitrogen @ 2.20 SLPM**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

Hydroxylate DVB

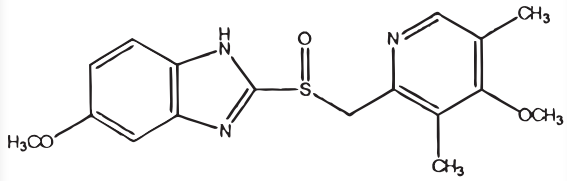
JORDI

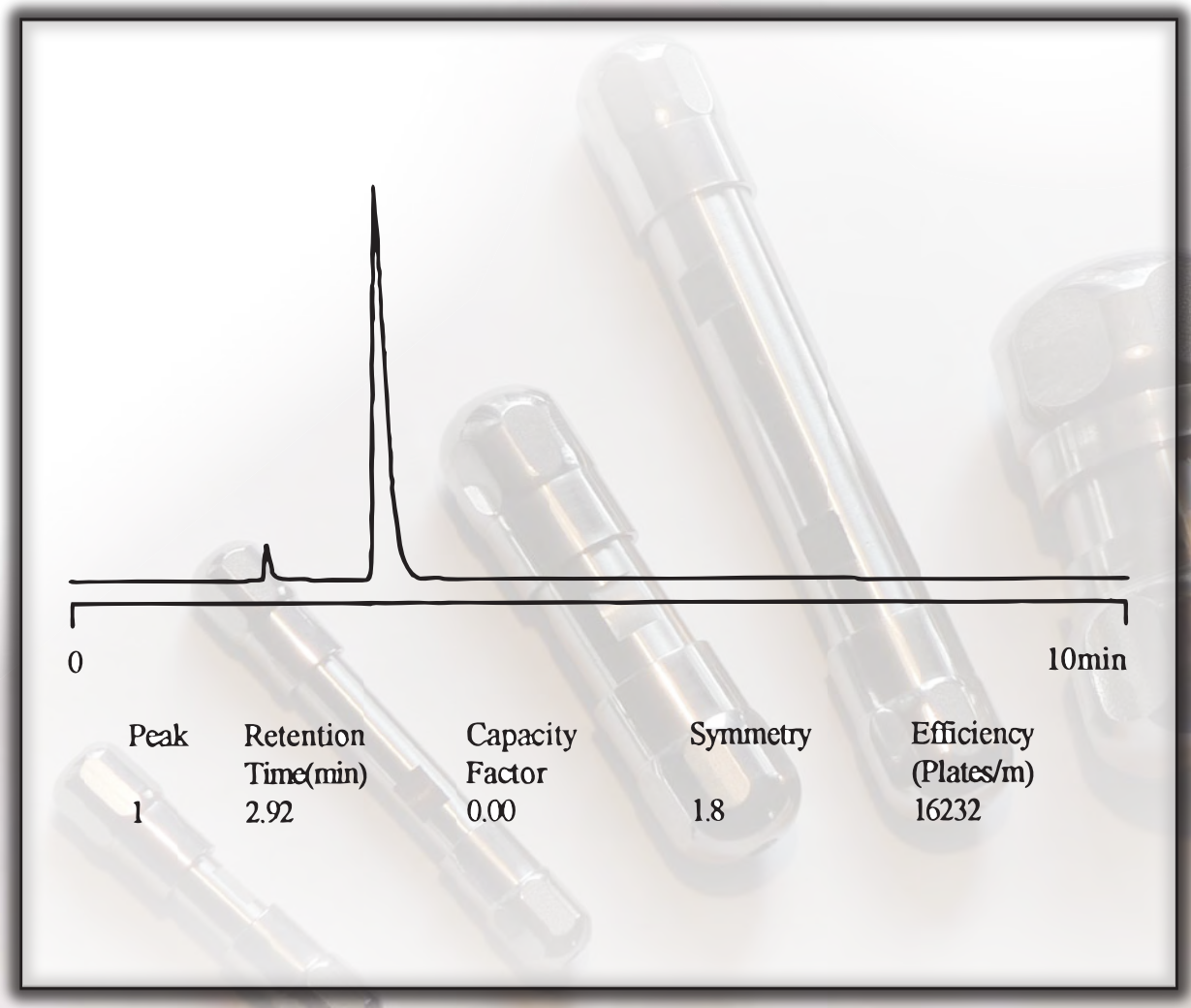
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

ANTIULCERATIVE OMEPRAZOLE

Part Number:	**21000**
Packing:	**Jordi DVB Hydroxylated RP 500Å**
Column:	**15cm X 4.6mm ID**
Mobile Phase:	**10/20/20/50 MeOH/ACN/THF/H_2O**
Flow Rate:	**1.0mL/min.**
Injection:	**5.0µL**
Concentration:	**1mg/mL**
Temperature:	**50°C**
Detector:	**UV @254nm, 1.0AUFS**





Peak	Retention Time(min)	Capacity Factor	Symmetry	Efficiency (Plates/m)
1	2.92	0.00	1.8	16232

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

Organic Acid DVB

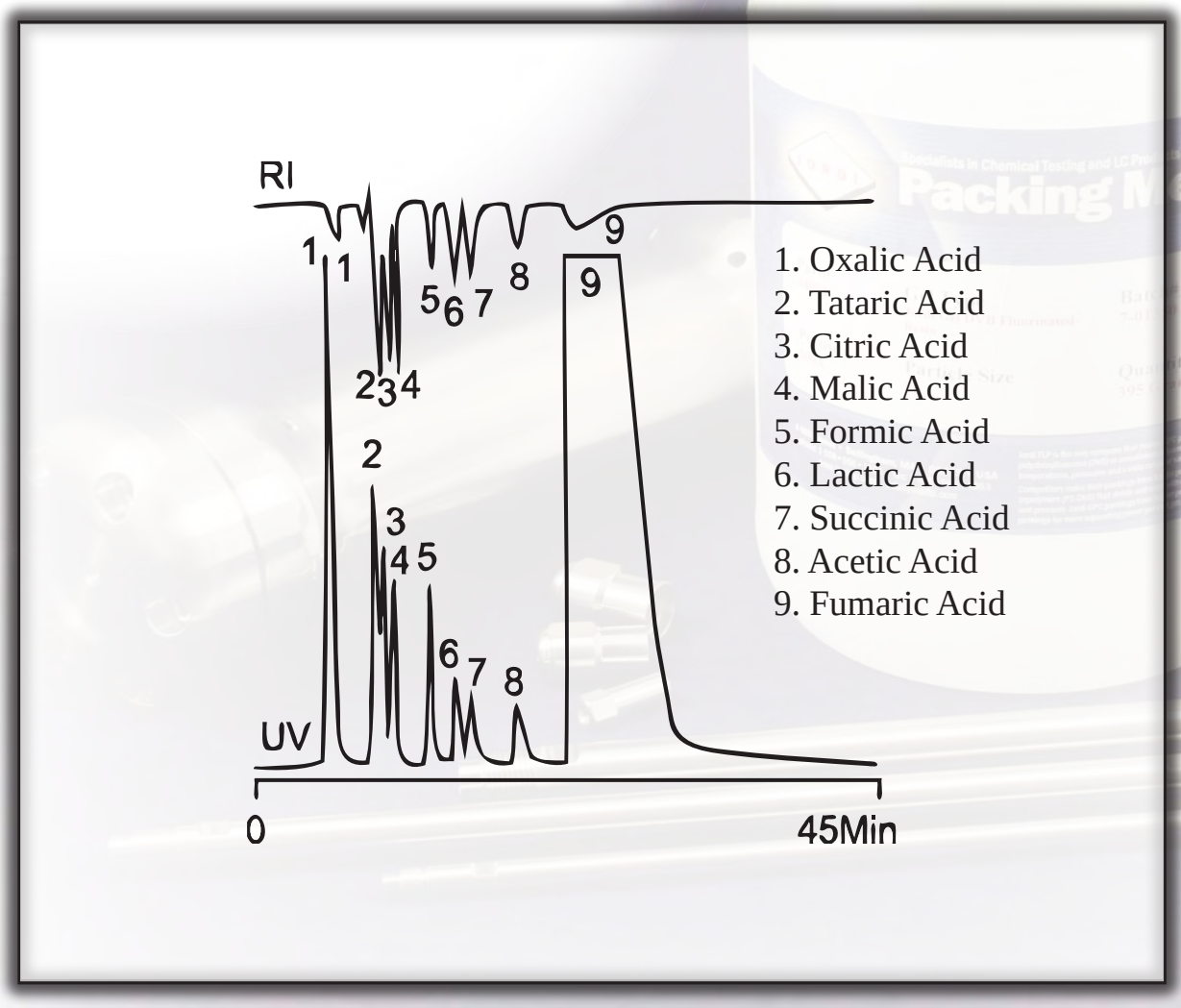
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

SEPARATION of ORGANIC ACIDS

Part Number:	**17000**
Packing:	**Jordi DVB Organic Acid 500Å**
Column:	**50cm X 10mm ID**
Solvent :	**0.01M Phosphoric Acid, pH 3 w/NaOH**
Flow Rate:	**1.5mL/min.**
Injection:	**200µL**
Concentration:	**10mg/mL**
Temperature:	**Ambient**
Detector:	**UV -210nm, RI @4X**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

Polyamino DVB

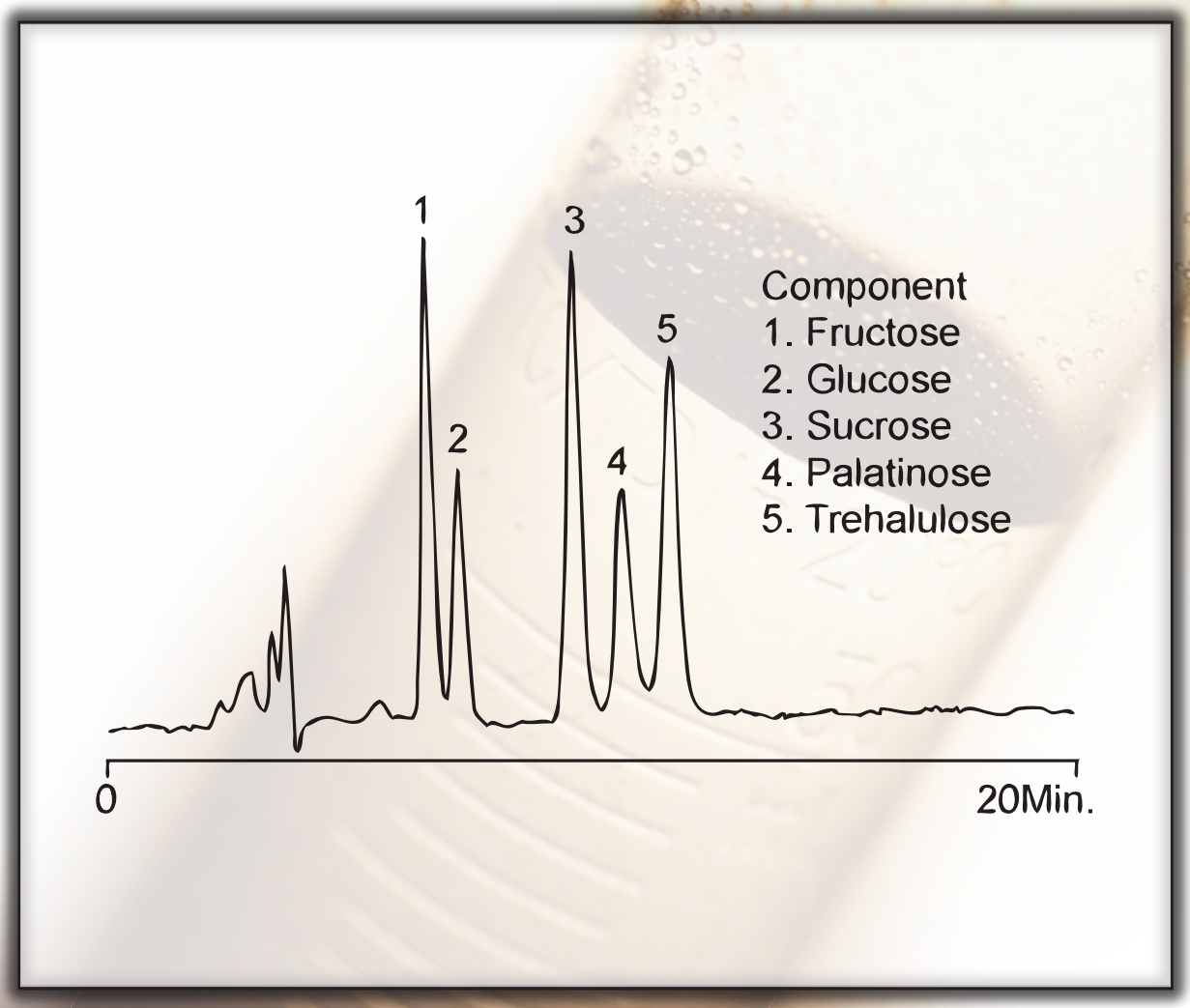
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

SUGAR STANDARDS

Part Number:	**17010**
Packing:	**Jordi DVB Polyamino 500Å**
Column:	**25cm X 4.6mm ID**
Solvent:	**80/15/5 ACN/H_2O/MeOH**
Flow Rate:	**1.0mL/min.**
Injection:	**40µL**
Concentration:	**2mg/mL**
Temperature:	**Ambient**
Detector:	**RI**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

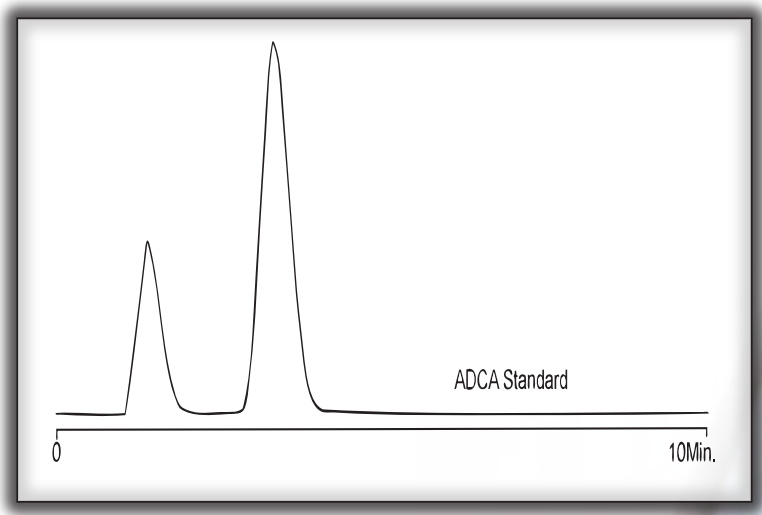
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

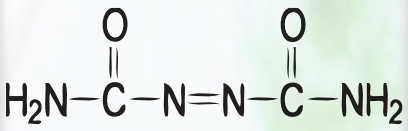
HPLC APPLICATION

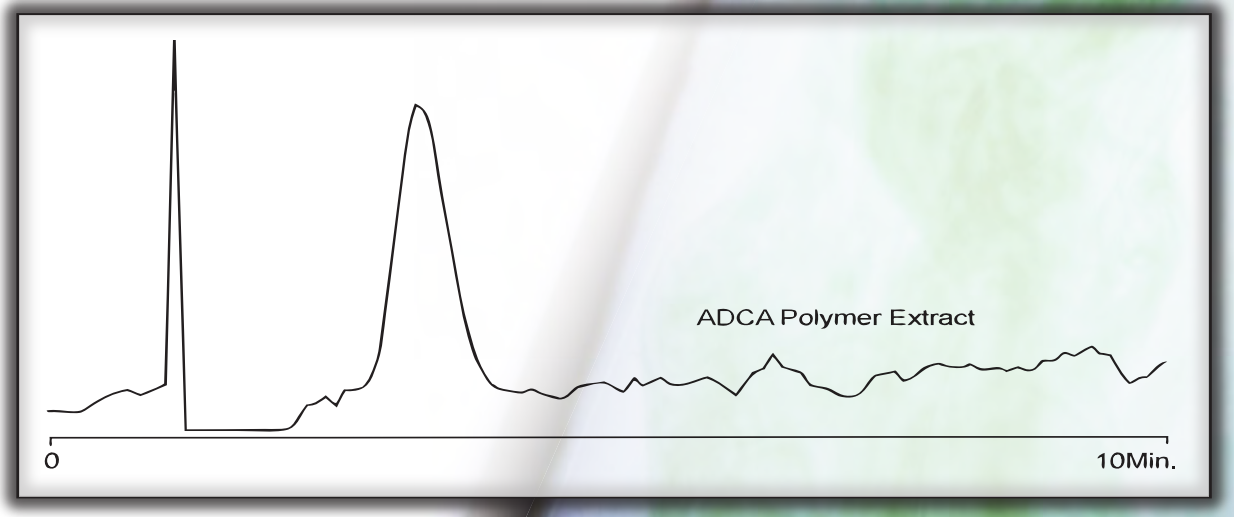
AZODICARBONAMIDE

Part Number:	**60055**
Packing:	**Jordi DVB Polyamino RP 500Å**
Column:	**5.3cm X 7mm ID**
Solvent:	**90/10 H_2O/DMSO**
Flow Rate:	**1.0mL/min.**
Injection:	**10µL**
Concentration:	**1mg/mL**
Temperature:	**Ambient**
Detector:	**Waters 990 PDA, 265nm**



ADCA





Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

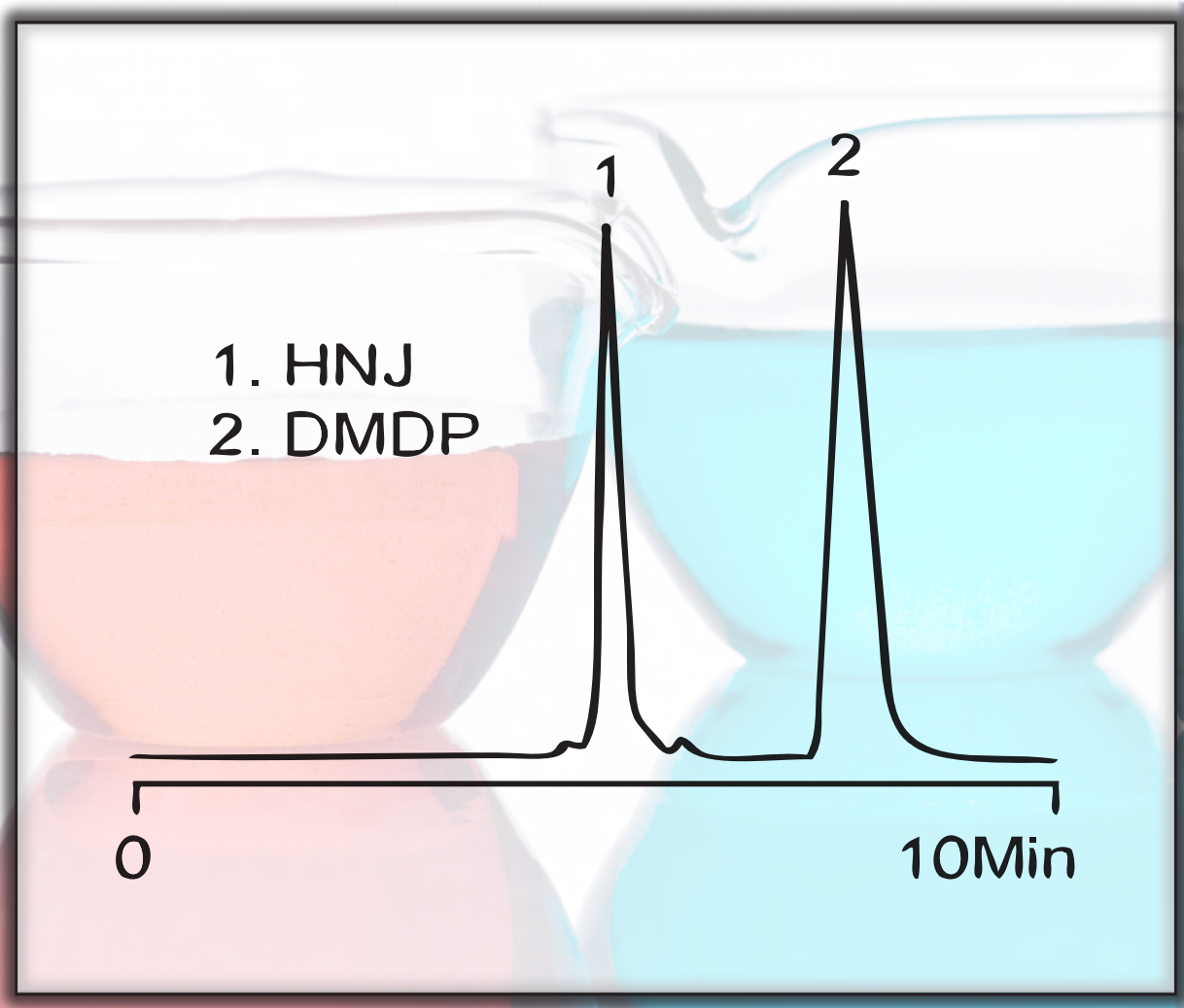
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

POLYHYDROXY ALKALOIDS

Part Number:	**17051**
Packing:	**Jordi NP Polyamino 500Å**
Column:	**25cm X 4.6mm ID**
Solvent A:	**Acetonitrile:0.2%(w/v)**
Solvent B:	**Ammonium Acetate in H_2O(15:85)**
Flow Rate:	**0.5mL/min.**
Injection:	**5µg HNJ**
	6.25µg DMDP
Temperature:	**Ambient**
Detector:	**ELSD MKIII**



Jordi Labs • 4 Mill St • Bellingham MA 02019
Phone: 508 966 1301 • Fax: 508 966 4063 • www.jordilabs.com • info@jordilabs.com

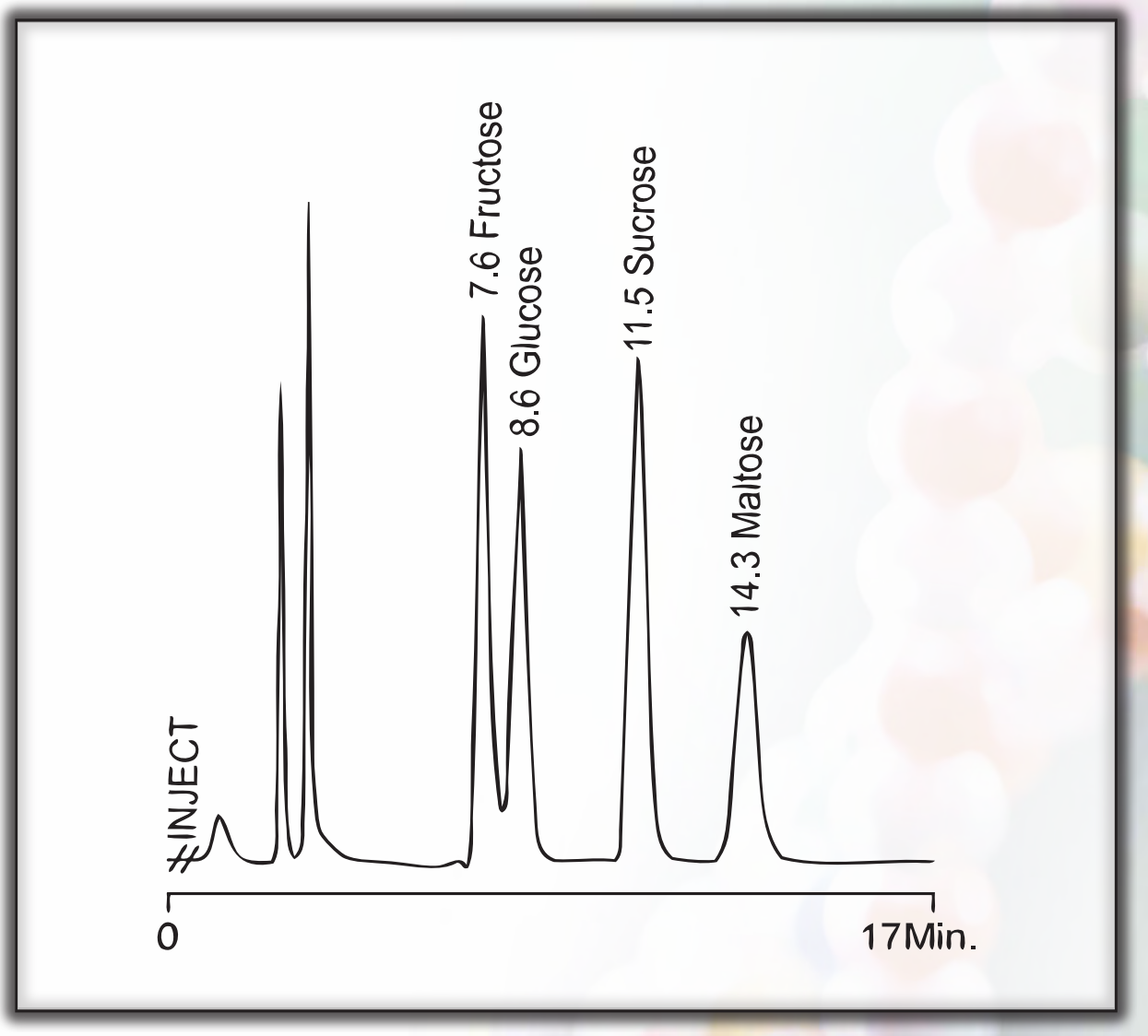
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

SUGAR STANDARDS

Part Number:	**17010**
Packing:	**Jordi DVB Polyamino 500Å**
Column:	**25cm X 4.6mm ID**
Solvent:	**75/20/5 ACN/H_2O/MeOH**
Flow Rate:	**1.0mL/min.**
Injection:	**10µL of 2% Concentration**
Det. Temperature:	**30°C**
Detector:	**RI,4X**



Jordi Labs • 4 Mill St • Bellingham MA 02019
Phone: 508 966 1301 • Fax: 508 966 4063 • www.jordilabs.com • info@jordilabs.com

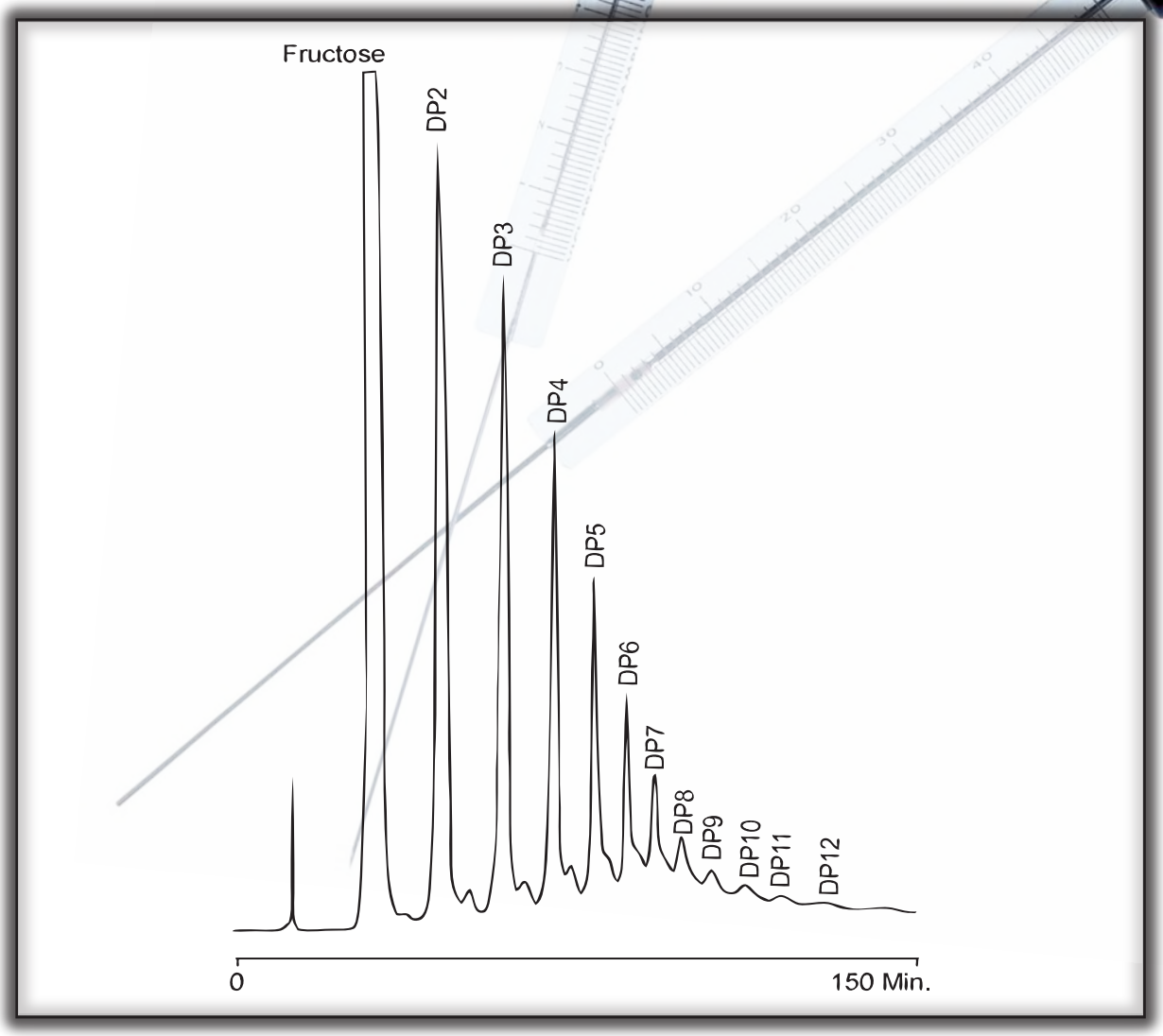
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

CORN SYRUP by Gradient Elution

Part Number:	**17010**
Packing:	**Jordi DVB Polyamino 500Å**
Column:	**25cm X 4.6mm ID**
Solvent A:	**85/15 ACN/H_2O**
Solvent B:	**H_2O**
Gradient:	**15 min Linear, 0%B to 21%B**
Flow Rate:	**1.0mL/min.**
Injection:	**100µL of 1% Concentration**
Temperature:	**25°C**
Detector:	**Evaporative Light Scattering, Varex ELSD II @ 100X**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

Peptide Protein DVB

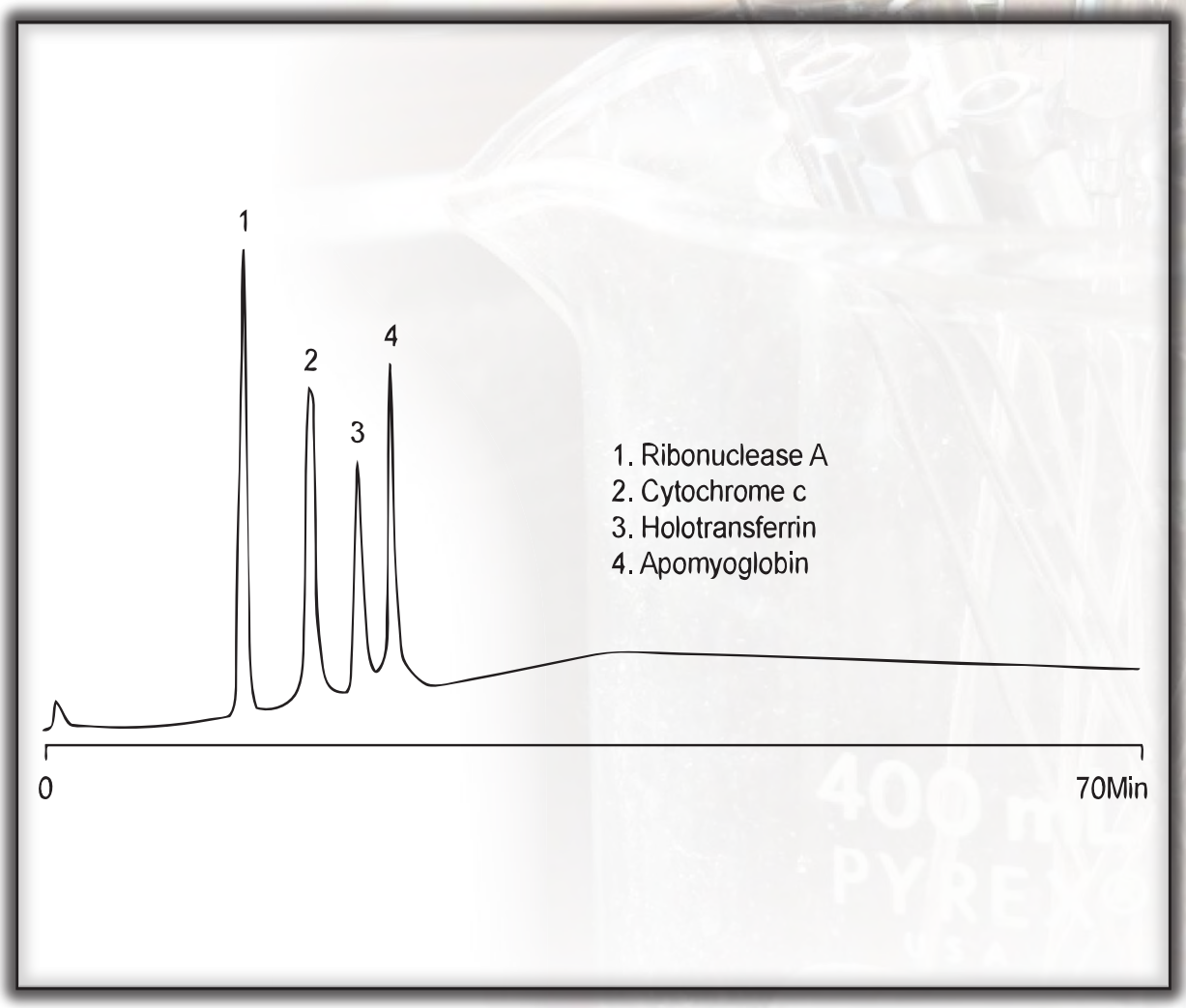
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

PROTEIN STANDARD SEPARATION

Part Number:	**10001**
Packing:	**Jordi Peptide/Protein 10^3Å**
Column:	**5cm X 4.6mm ID**
Gradient:	**80/20 → 40/60 A/B over 30 min. linear**
Solvent A:	**0.15% TFA in H_2O**
Solvent B:	**0.15% TFA in ACN**
Flow Rate:	**1.0mL/min.**
Injection:	**40µL**
Concentration:	**Protein Stds. diluted to 4mL in 75/25 A/B**
Temperature:	**Ambient**
Detector:	**Waters 990, 220nm**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

JORDI

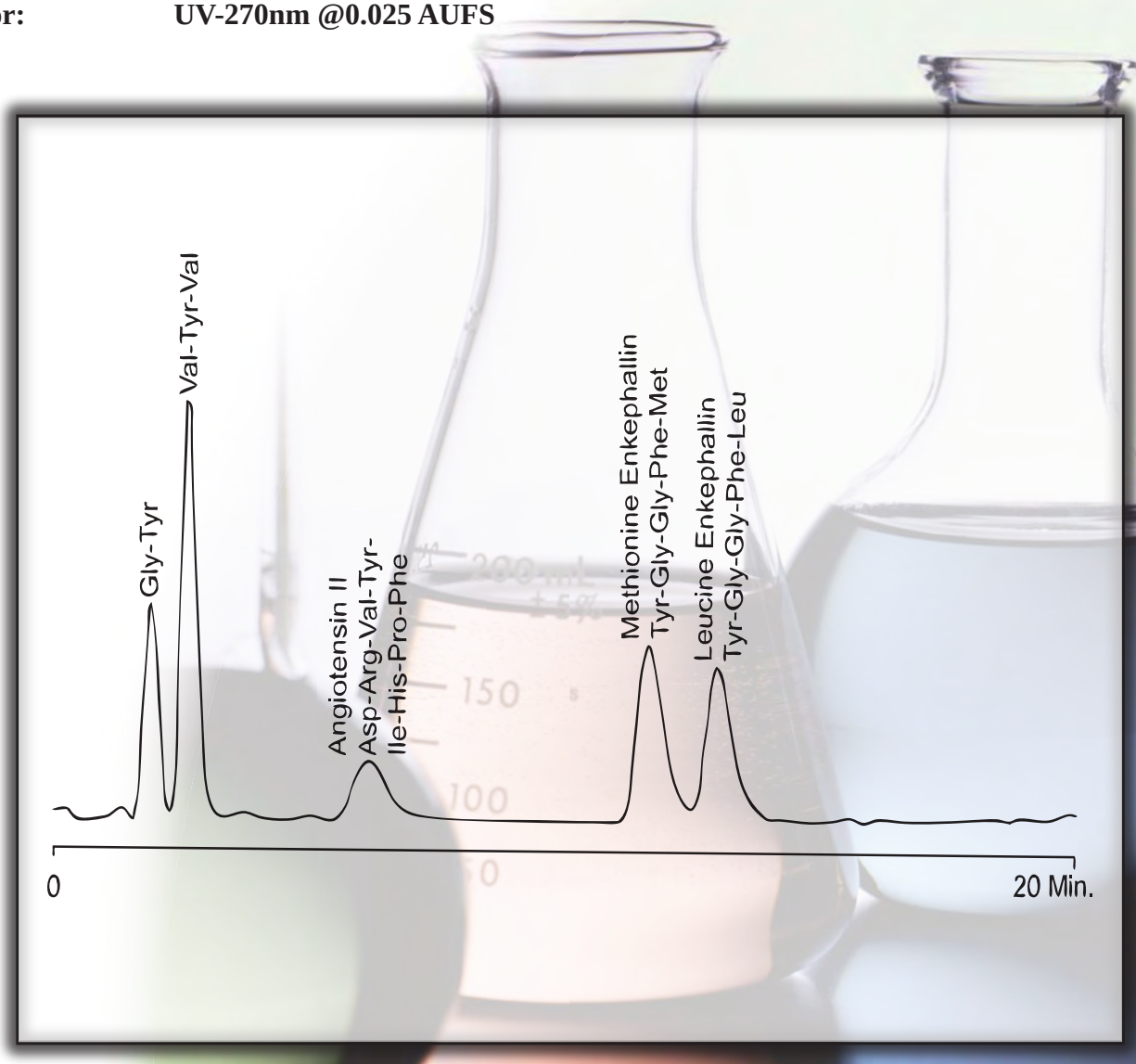
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

JORDI PEPTIDE PROTEIN

Polyamide Co-Polymer 5 Peptide Standards

Part Number:	**60060**
Packing:	**Jordi Peptide Protein 10^4Å**
Column:	**5.3cm X 7mm ID**
Solvent:	**90/10 → 60/40 A/B over 30 min. Linear**
	A: 99/1 H_2O/Acetic Acid B: 99/1 ACN/Acetic Acid
Flow Rate:	**1.0mL/min.**
Injection:	**40µL**
Concentration:	**HPLC Pesticide Standards diluted to 4mL in 99/1/H_2O/Acetic Acid**
Temperature:	**Ambient**
Detector:	**UV-270nm @0.025 AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

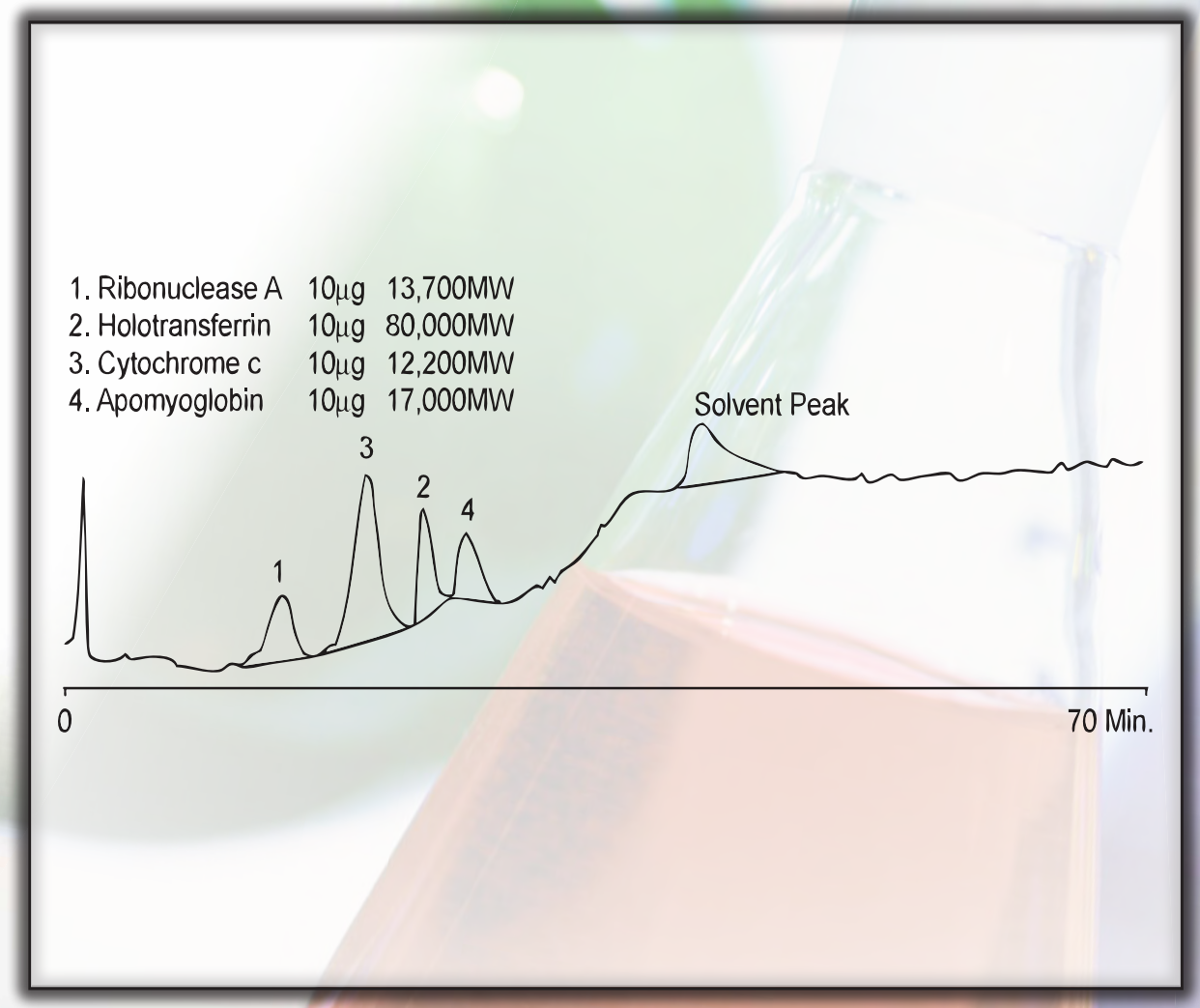
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

PROTEIN STANDARD SEPARATION

Part Number:	**10001**
Packing:	**Jordi Peptide Protein 10^4Å**
Column:	**5cm X 4.6mm ID**
Gradient:	**90/10 → 60/40 A/B over 30 min. linear**
Solvent A:	**98/2 H_2O/Acetic Acid**
Solvent B:	**98/2 ACN/Acetic Acid**
Flow Rate:	**1.0mL/min.**
Injection:	**40µL**
Concentration:	**Protein Standards diluted to 4mL in 75/25 A/B**
Temperature:	**Ambient**
Detector:	**UV-270nm @ 0.01 AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

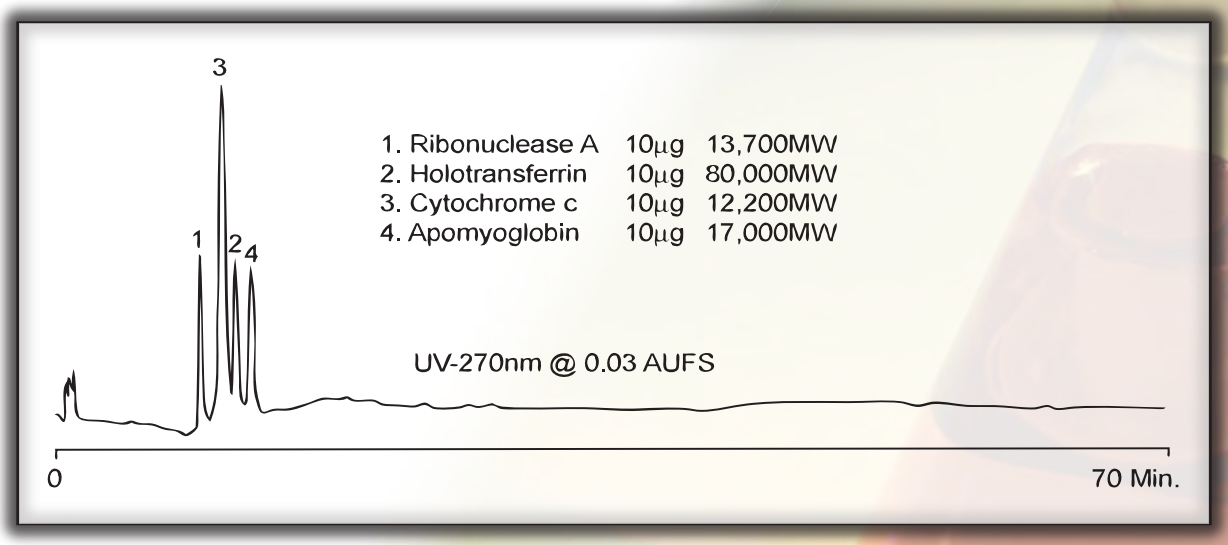
JORDI

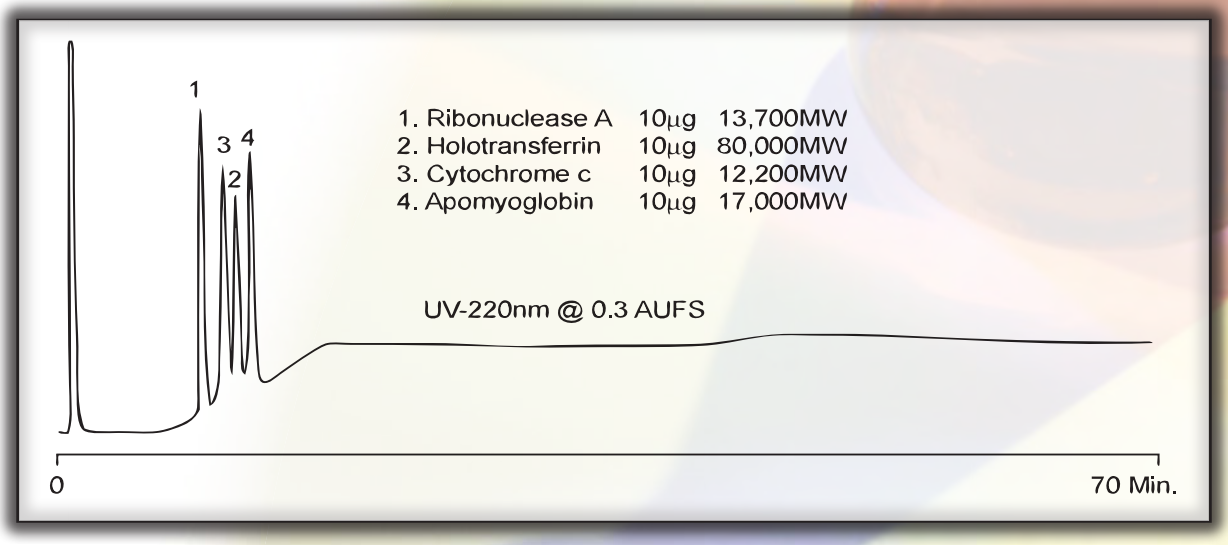
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

PROTEIN STANDARD SEPARATION

Part Number:	**10001**
Packing:	**Jordi Peptide Protein 10^4Å**
Column:	**5cm X 4.6mm ID**
Gradient:	**80/20 → 40/60 A/B over 10 min. linear**
Solvent A:	**0.15% TFA in H_2O**
Solvent B:	**0.15% TFA in ACN**
Flow Rate:	**1.0mL/min.**
Injection:	**40µL**
Concentration:	**Protein Standards diluted to 4mL in 75/25 A/B**
Temperature:	**Ambient**
Detector:	**UV (see curve for details)**





Jordi Labs • 4 Mill St • Bellingham MA 02019
Phone: 508 966 1301 • Fax: 508 966 4063 • www.jordilabs.com • info@jordilabs.com

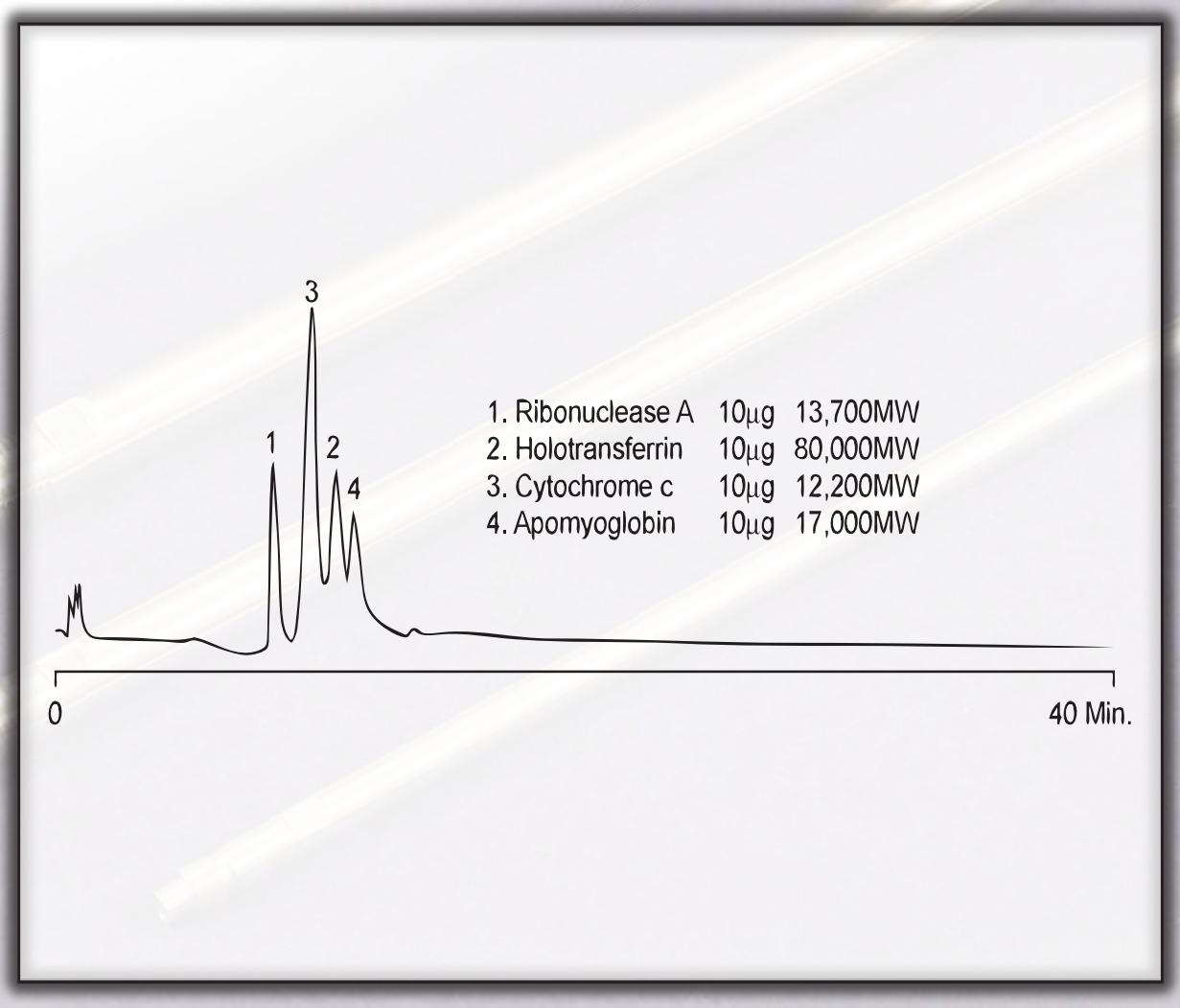
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

PROTEIN STANDARD SEPARATION

Part Number:	**10001**
Packing:	**Jordi Peptide Protein 10^4Å**
Column:	**5cm X 4.6mm ID**
Gradient:	**80/20 → 40/60 A/B over 10 min. linear**
Solvent A:	**0.15% TFA in H_2O**
Solvent B:	**0.15% TFA in ACN**
Flow Rate:	**1.0mL/min.**
Injection:	**40µL**
Concentration:	**Protein Standards diluted to 4mL in 75/25 A/B**
Temperature:	**Ambient**
Detector:	**UV-270nm @0.03AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

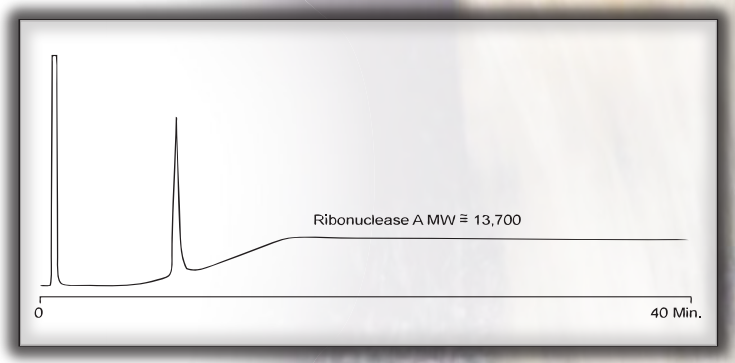
JORDI

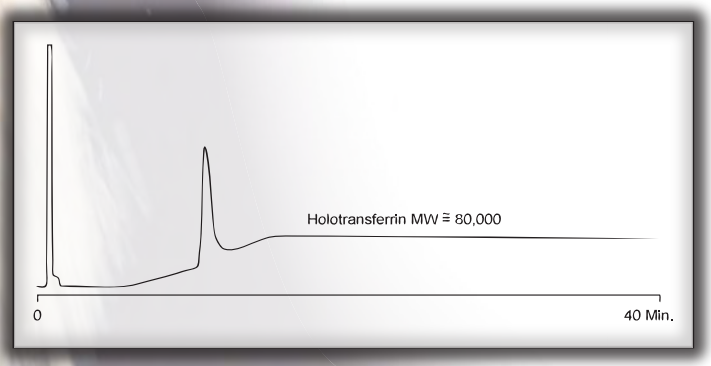
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

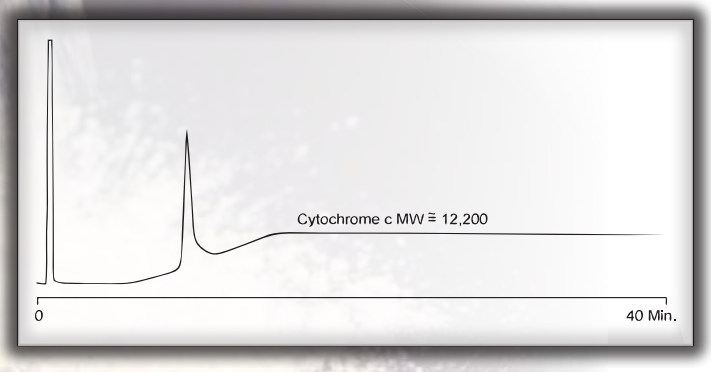
HPLC APPLICATION

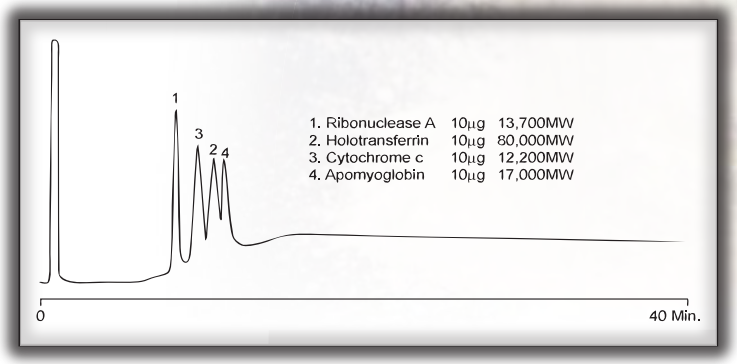
PROTEIN STANDARD SEPARATION

Part Number:	**10001**
Packing:	**Jordi Peptide Protein 10^4Å**
Column:	**5cm X 4.6mm ID**
Gradient:	**80/20 → 40/60 A/B over 10 min. linear**
Solvent A:	**0.15% TFA in H_2O**
Solvent B:	**0.15% TFA in ACN**
Flow Rate:	**1.0mL/min.**
Injection:	**40µL**
Concentration:	**0.1mg/mL**
Temperature:	**Ambient**
Detector:	**UV-220nm @0.3AUFS**









Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

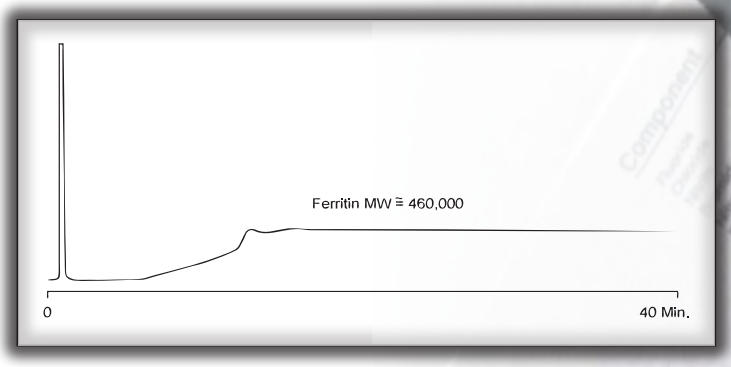
JORDI

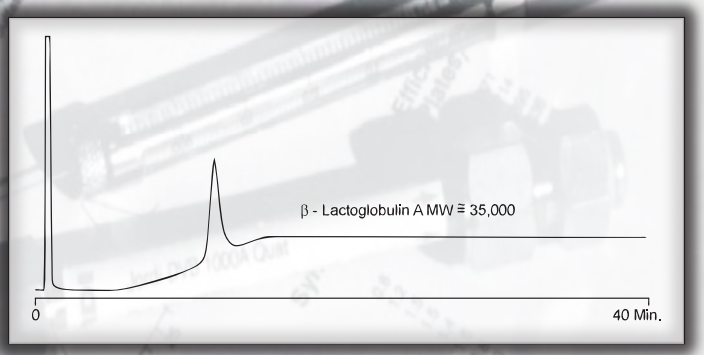
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

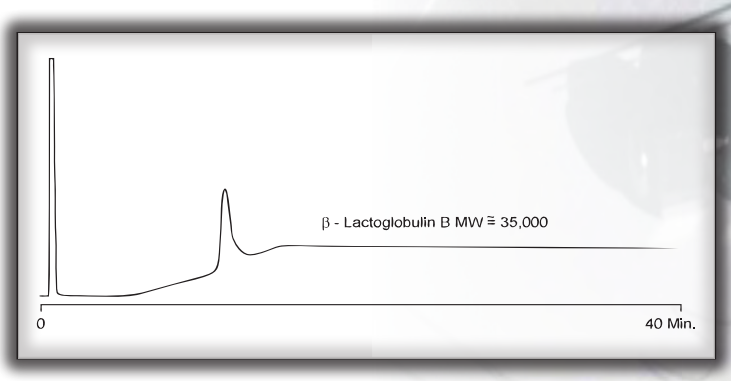
HPLC APPLICATION

PROTEIN STANDARD SEPARATION

Part Number:	**10001**
Packing:	**Jordi Peptide Protein 10^4Å**
Column:	**5cm X 4.6mm ID**
Gradient:	**80/20 → 40/60 A/B over 10 min. linear**
Solvent A:	**0.15% TFA in H_2O**
Solvent B:	**0.15% TFA in ACN**
Flow Rate:	**1.0mL/min.**
Injection:	**40µL**
Concentration:	**0.1mg/mL**
Temperature:	**Ambient**
Detector:	**UV-220nm@ 0.3AUFS**







Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

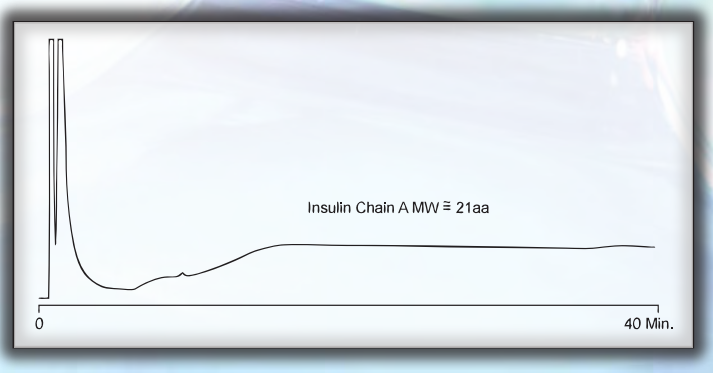
JORDI

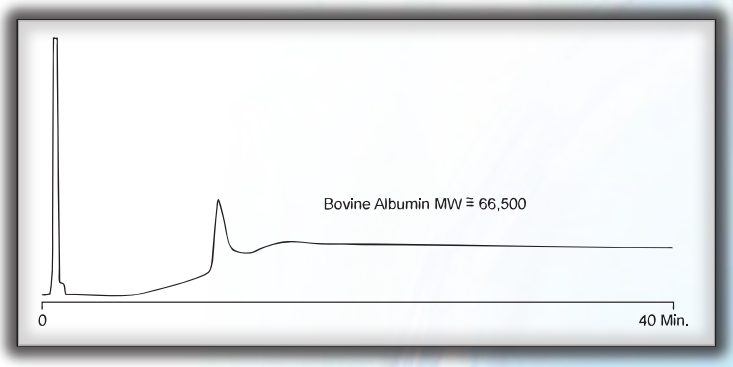
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

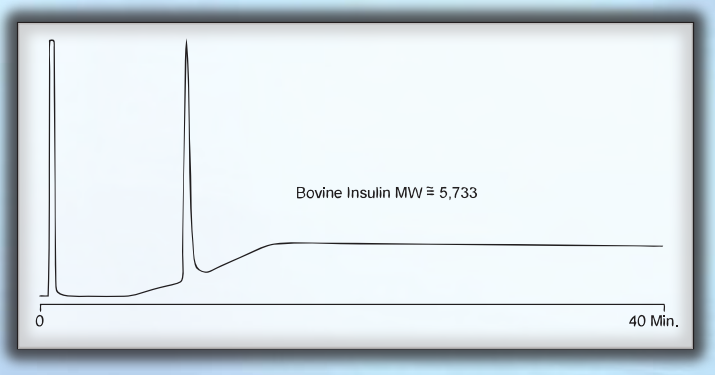
HPLC APPLICATION

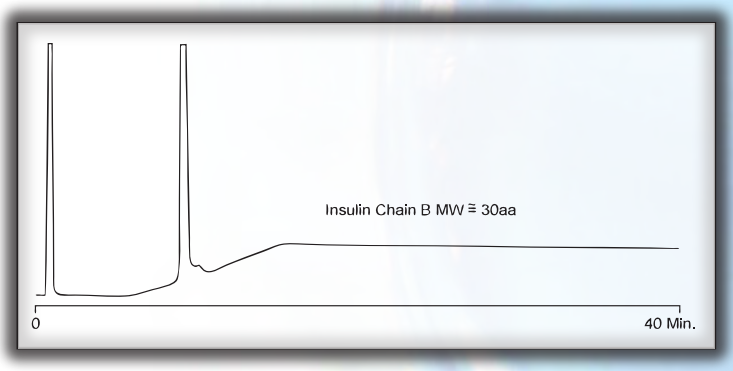
PROTEIN STANDARD SEPARATION

Part Number:	**10001**
Packing:	**Jordi Peptide Protein 10^4Å**
Column:	**5cm X 4.6mm ID**
Gradient:	**80/20 → 40/60 A/B over 10 min. linear**
Solvent A:	**0.15% TFA in H_2O**
Solvent B:	**0.15% TFA in ACN**
Flow Rate:	**1.0mL/min.**
Injection:	**40µL**
Concentration:	**0.1mg/mL**
Temperature:	**Ambient**
Detector:	**UV-220nm@ 0.3AUFS**









Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

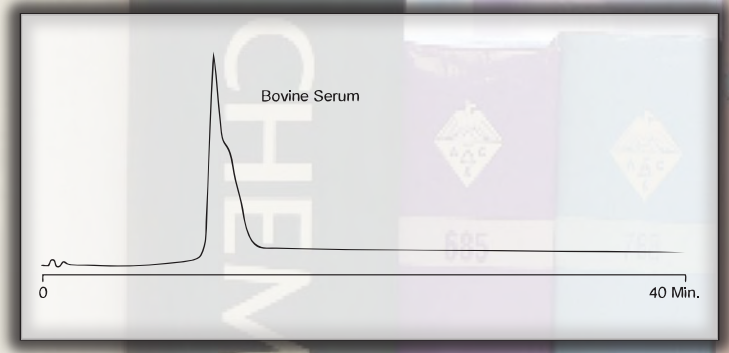
JORDI

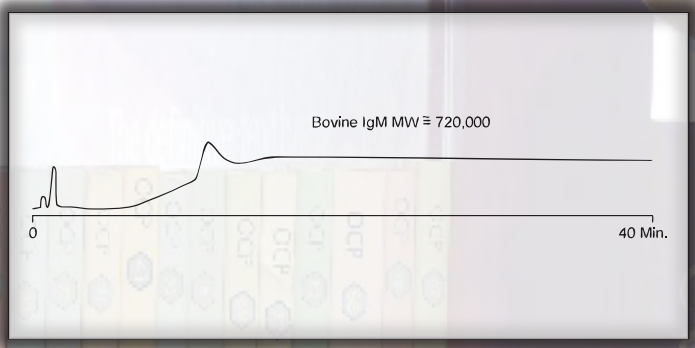
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

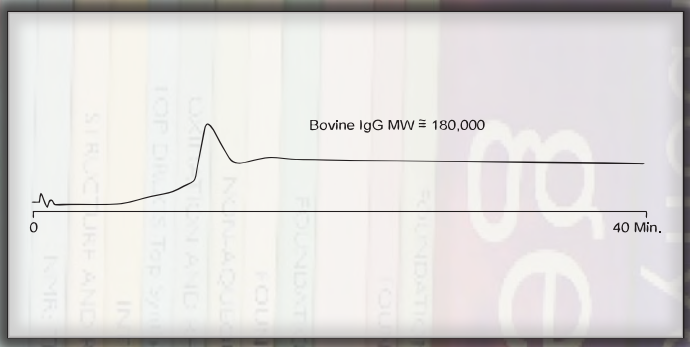
HPLC APPLICATION

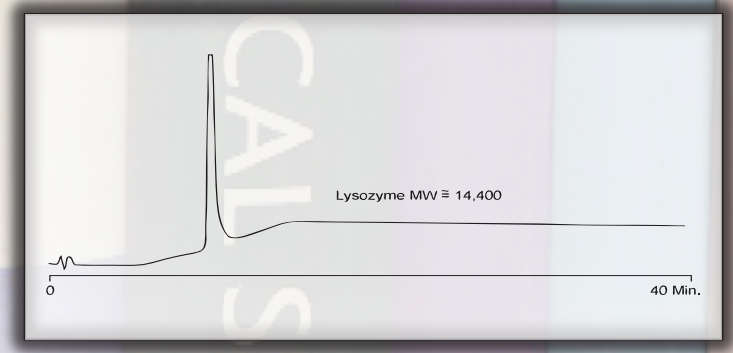
PROTEIN STANDARD SEPARATION

Part Number:	**10001**
Packing:	**Jordi Peptide Protein 10^4Å**
Column:	**5cm X 4.6mm ID**
Gradient:	**80/20 → 40/60 A/B over 10 min. linear**
Solvent A:	**0.15% TFA in H_2O**
Solvent B:	**0.15% TFA in ACN**
Flow Rate:	**1.0mL/min.**
Injection:	**40µL**
Concentration:	**0.1mg/mL**
Temperature:	**Ambient**
Detector:	**UV-220nm@ 0.3AUFS**









Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

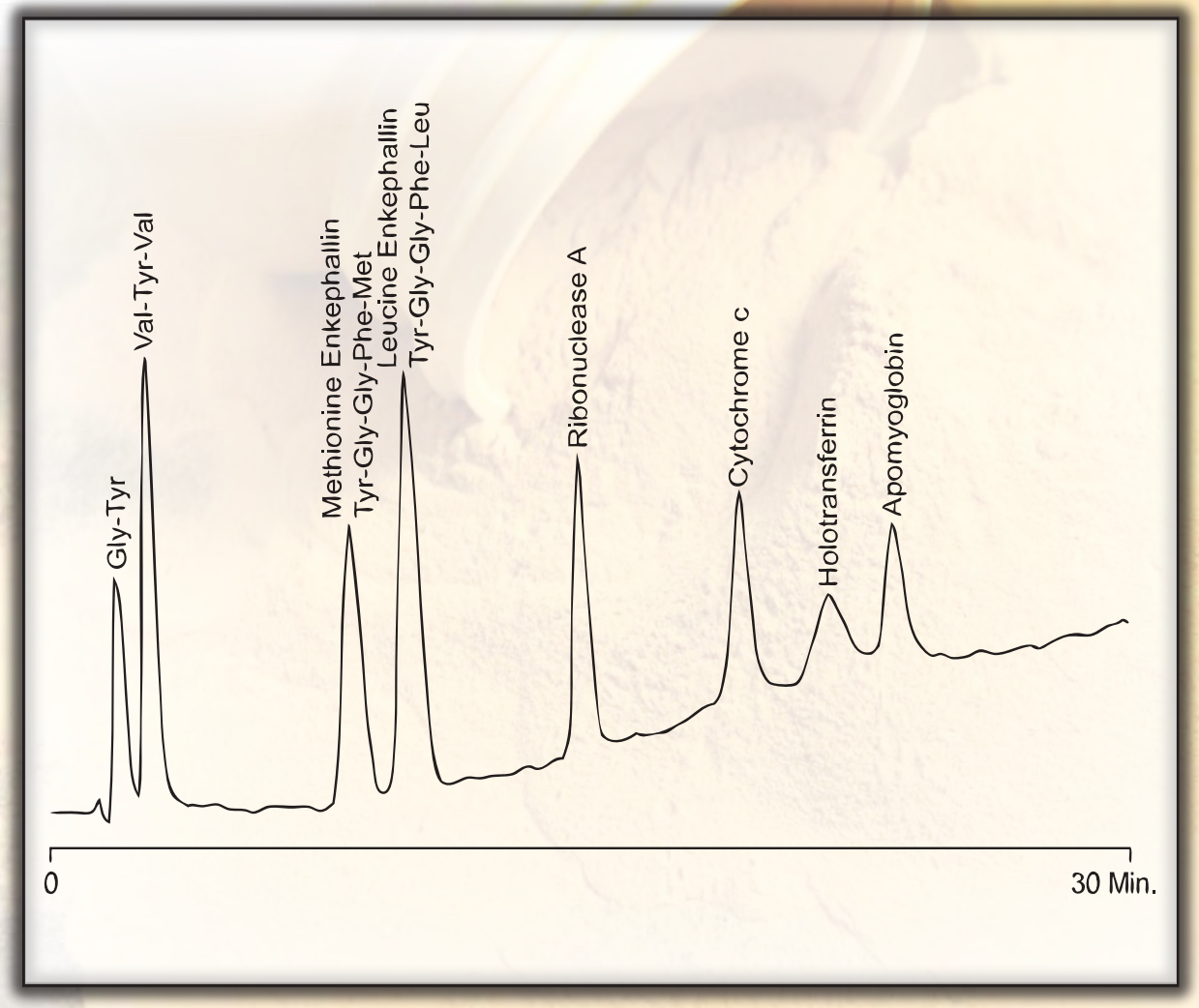
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

PEPTIDE PROTEIN STANDARD SEPARATION

Part Number:	**10001**
Packing:	**Jordi Peptide Protein 10^4Å**
Column:	**2-5cm X 4.6mm ID**
Gradient:	**80/20→ 40/60 A/B over 30 min. linear**
Solvent A:	**0.15% TFA in H_2O**
Solvent B:	**0.15% TFA in ACN**
Flow Rate:	**1.0mL/min.**
Injection:	**40µL Protein Standard Mix**
	40µL HPLC Peptide Standard Mix
Concentration:	**Protein Standards diluted to 4mL in 75/25 A/B**
Temperature:	**Ambient**
Detector:	**N/A**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

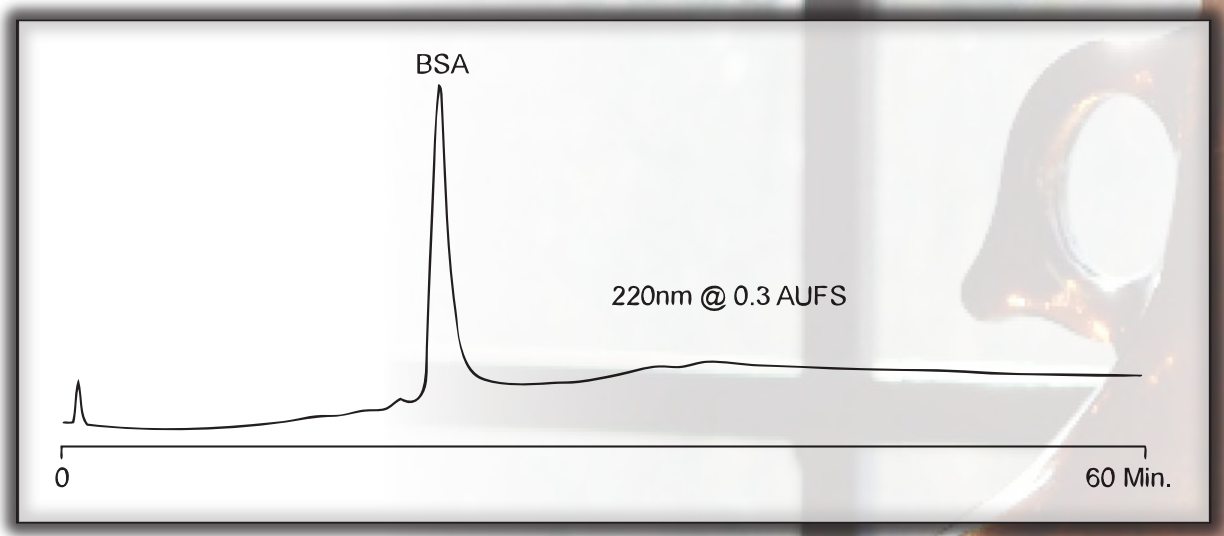
JORDI

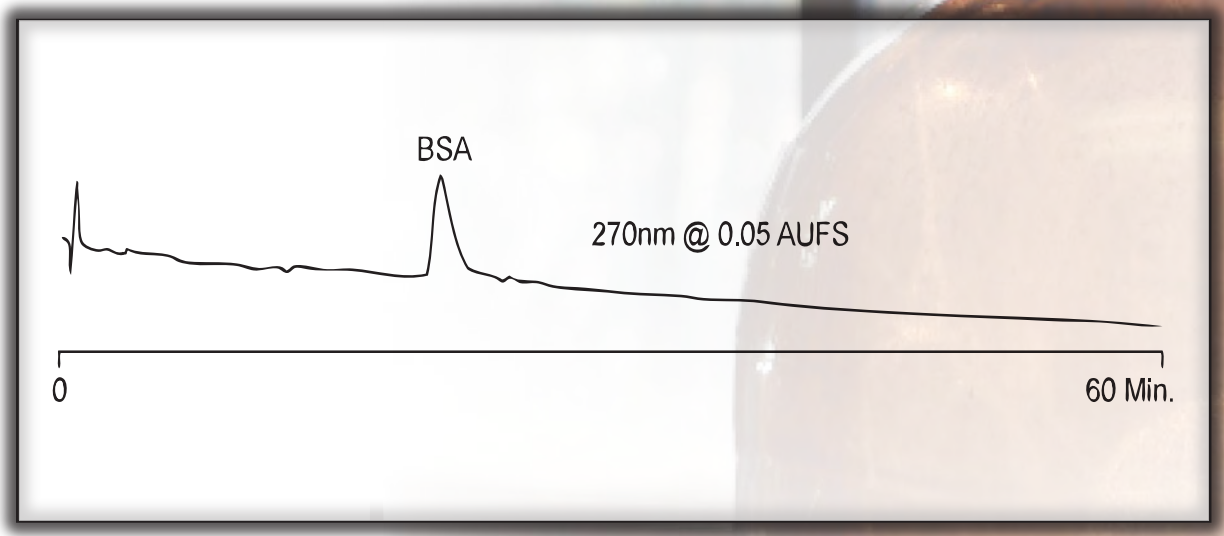
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

BOVINE SERUM ALBUMIN

Part Number:	**10001**
Packing:	**Jordi Peptide Protein 10^4Å**
Column:	**5cm X 4.6mm ID**
Gradient:	**80/20 → 40/60 A/B over 30 min. linear**
Solvent A:	**0.15% TFA in H_2O**
Solvent B:	**0.15% TFA in ACN**
Flow Rate:	**1.0mL/min.**
Injection:	**40µL**
Concentration:	**Protein Standards Diluted to 4mL in 75/25 A/B @1mg/mL**
Temperature:	**Ambient**
Detector:	**UV-270nm @ 0.05AUFS UV-220nm @ 0.3AUFS**





Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

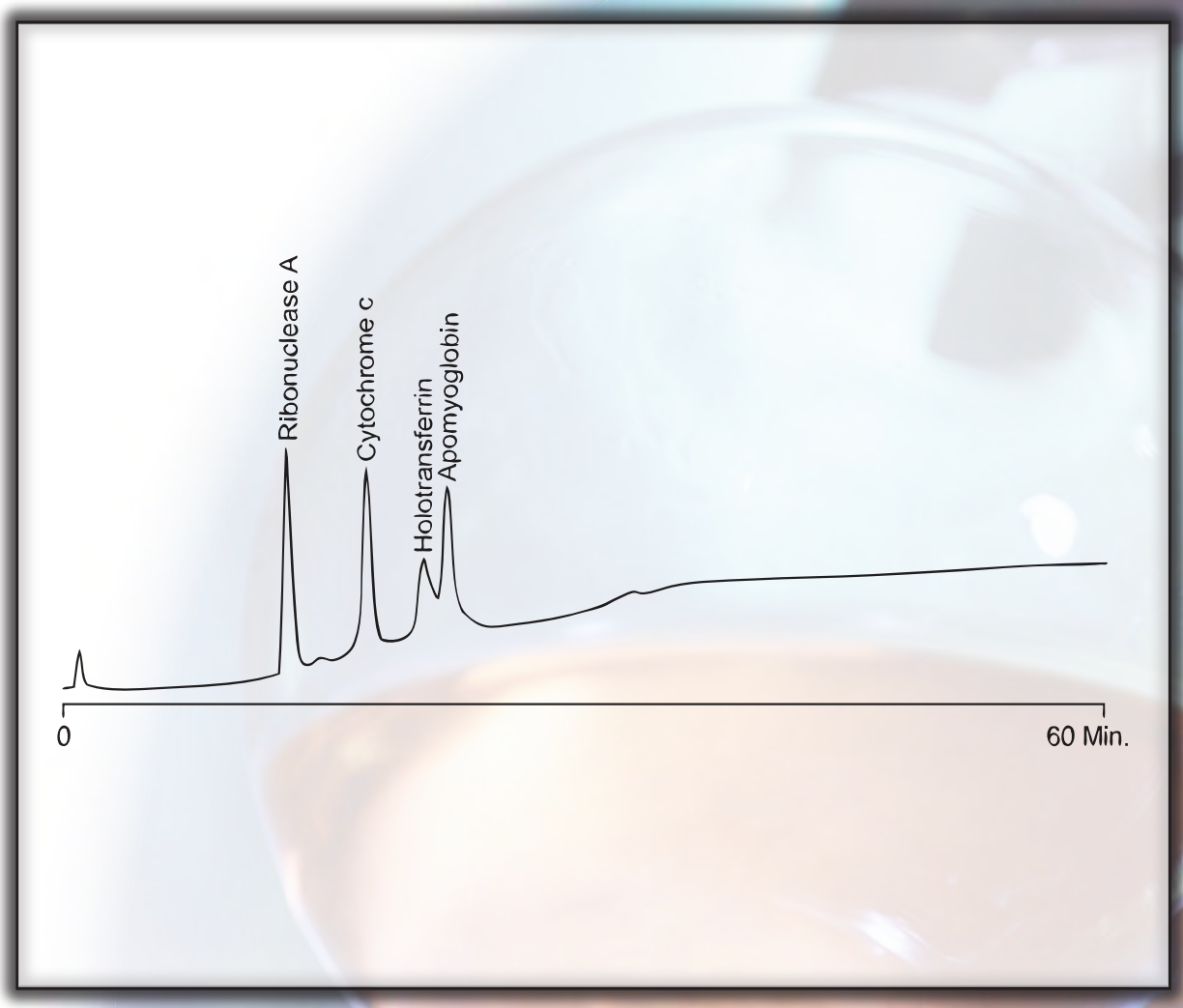
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

PROTEIN STANDARDS MIX

Part Number:	**10001**
Packing:	**Jordi Peptide Protein 10^4Å**
Column:	**5cm X 4.6mm ID**
Gradient:	**80/20 → 40/60 A/B over 30 min. linear**
Solvent A:	**0.15% TFA in H_2O**
Solvent B:	**0.15% TFA in ACN**
Flow Rate:	**1.0mL/min.**
Injection:	**40µL**
Concentration:	**Protein Standards Diluted to 4mL in 75/25 A/B**
Temperature:	**Ambient**
Detector:	**UV-270nm @ 0.03AUFS**
	UV-220nm @ 0.3AUFS



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

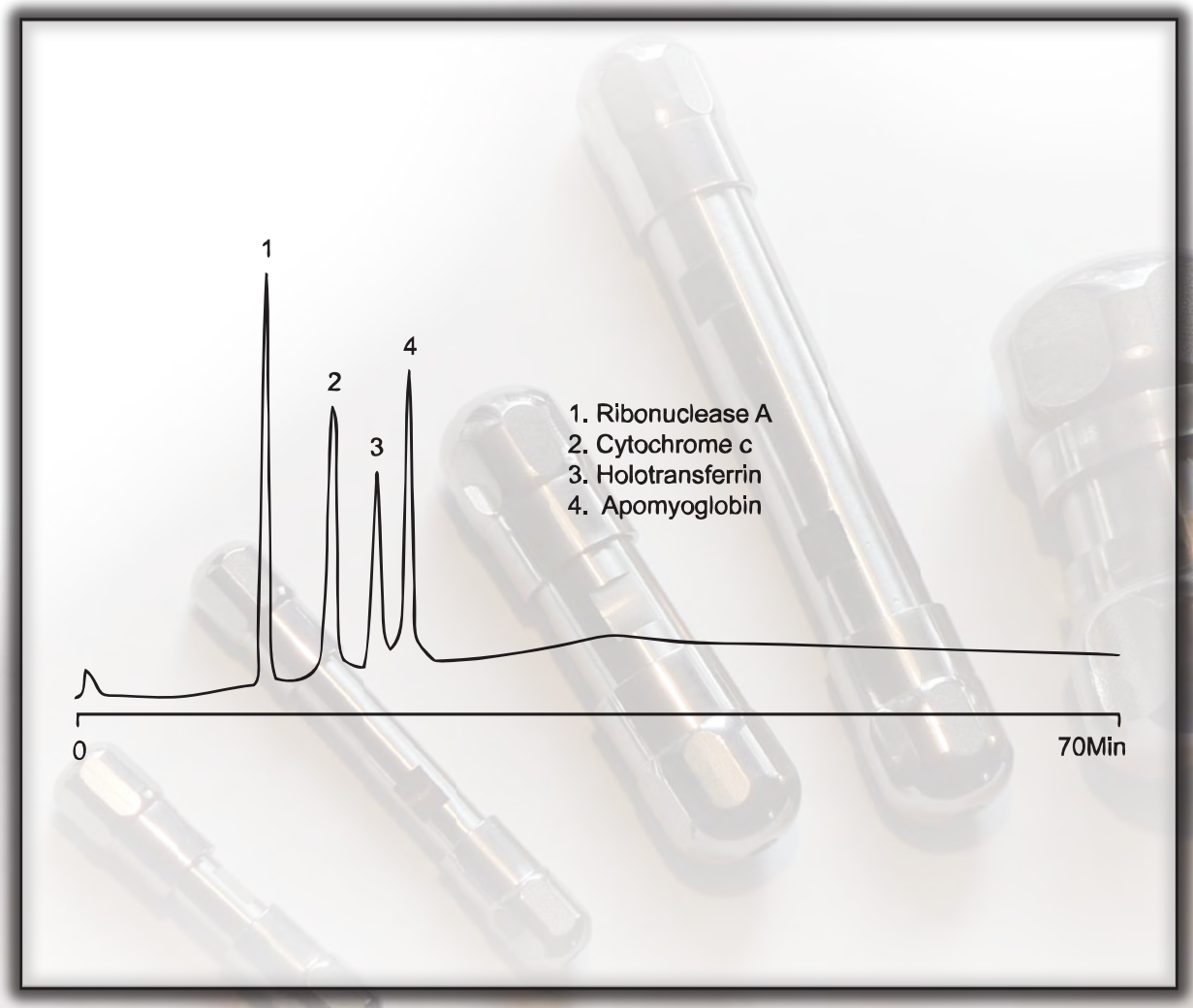
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

PROTEIN STANDARD SEPARATION

Part Number:	**10001**
Packing:	**Jordi Peptide Protein 10^4Å**
Column:	**5cm X 4.6mm ID**
Gradient:	**80/20 → 40/60 A/B over 30 min. linear**
Solvent A:	**0.15% TFA in H_2O**
Solvent B:	**0.15% TFA in ACN**
Flow Rate:	**1.0mL/min.**
Injection:	**40µL**
Concentration:	**Protein Standards Diluted to 4mL in 75/25 A/B**
Temperature:	**Ambient**
Detector:	**UV-220nm, 0.5 AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

Sulfonated DVB

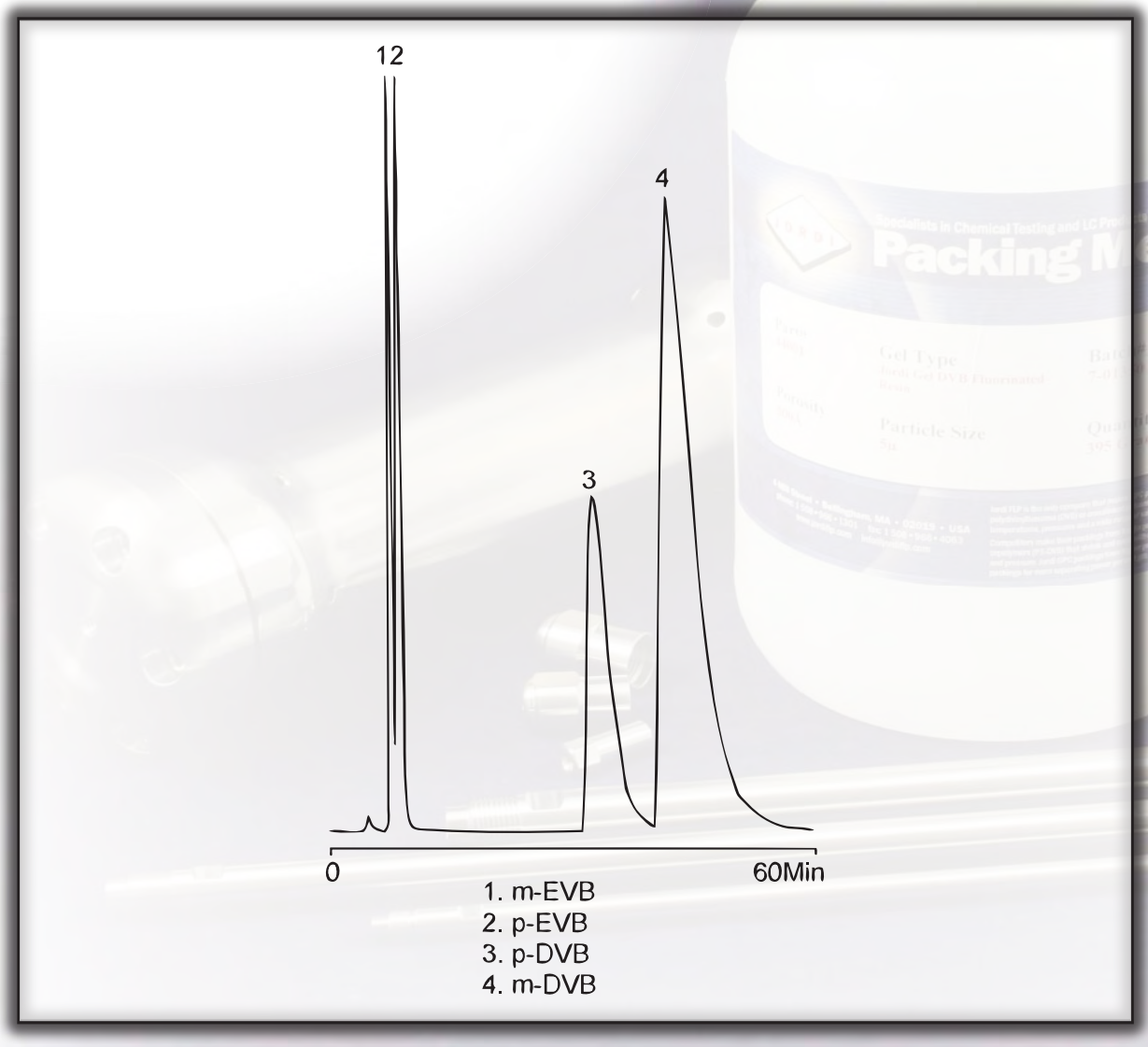
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

DIVINYLBENZENE

Part Number:	**15252**
Packing:	**Jordi DVB Sulfonated 500Å in Ag^+ form**
Column:	**25cm X 4.6mm ID**
Solvent:	**85/15 $CHCl_3$/MeOH**
Flow Rate:	**0.7mL/min.**
Injection:	**3µL**
Temperature:	**25°C**
Detector:	**UV @260nm, 1.6AUFS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

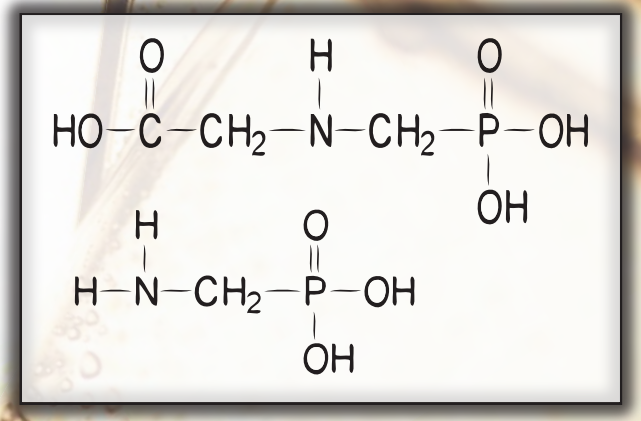
JORDI

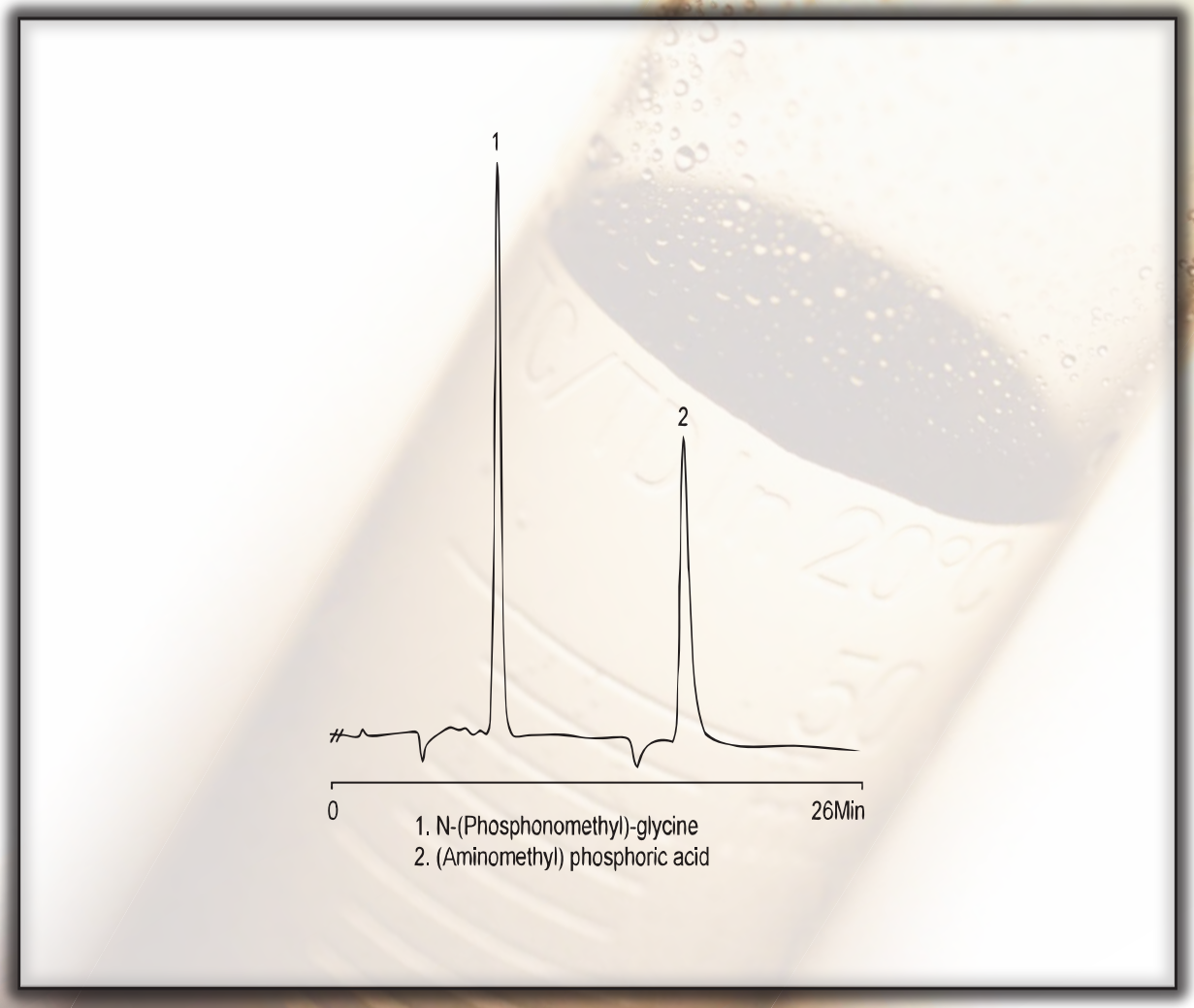
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

PHOSPHORIC COMPOUNDS

Part Number:	**15254**
Packing:	**Jordi DVB Sulfonated 500Å**
Column:	**25cm X 4.6mm ID**
Solvent:	**0.02M Phosphoric Acid w/3%ACN pH 2.5w/ NaOH**
Flow Rate:	**1.0mL/min.**
Injection:	**50µL of 1mg/mL Solution**
Temperature:	**25°C**
Detector:	**RI**





Jordi Labs • 4 Mill St • Bellingham MA 02019
Phone: 508 966 1301 • Fax: 508 966 4063 • www.jordilabs.com • info@jordilabs.com

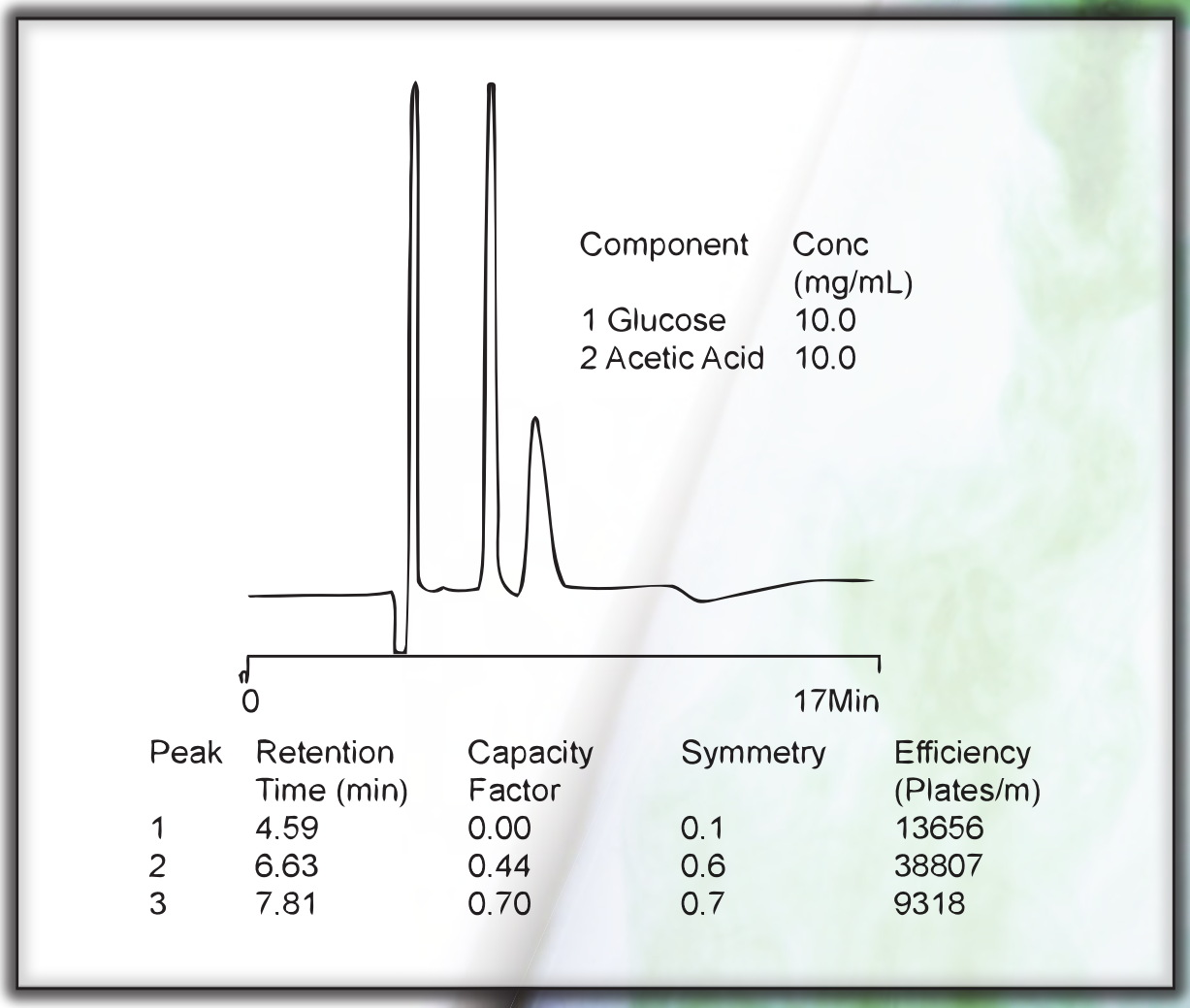
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

GLUCOSE & ACETIC ACID

Part Number:	**15041**
Packing:	**Jordi DVB Sulfonated 500Å**
Column:	**25cm X 10mm ID**
Mobile Phase:	**0.01M Phosphoric Acid Adj. to pH 7.5**
Flow Rate:	**2.0mL/min.**
Injection:	**20µL**
Temperature:	**Ambient**
Detector:	**RI 4X**



Peak	Retention Time (min)	Capacity Factor	Symmetry	Efficiency (Plates/m)
1	4.59	0.00	0.1	13656
2	6.63	0.44	0.6	38807
3	7.81	0.70	0.7	9318

Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

Sax Quat DVB

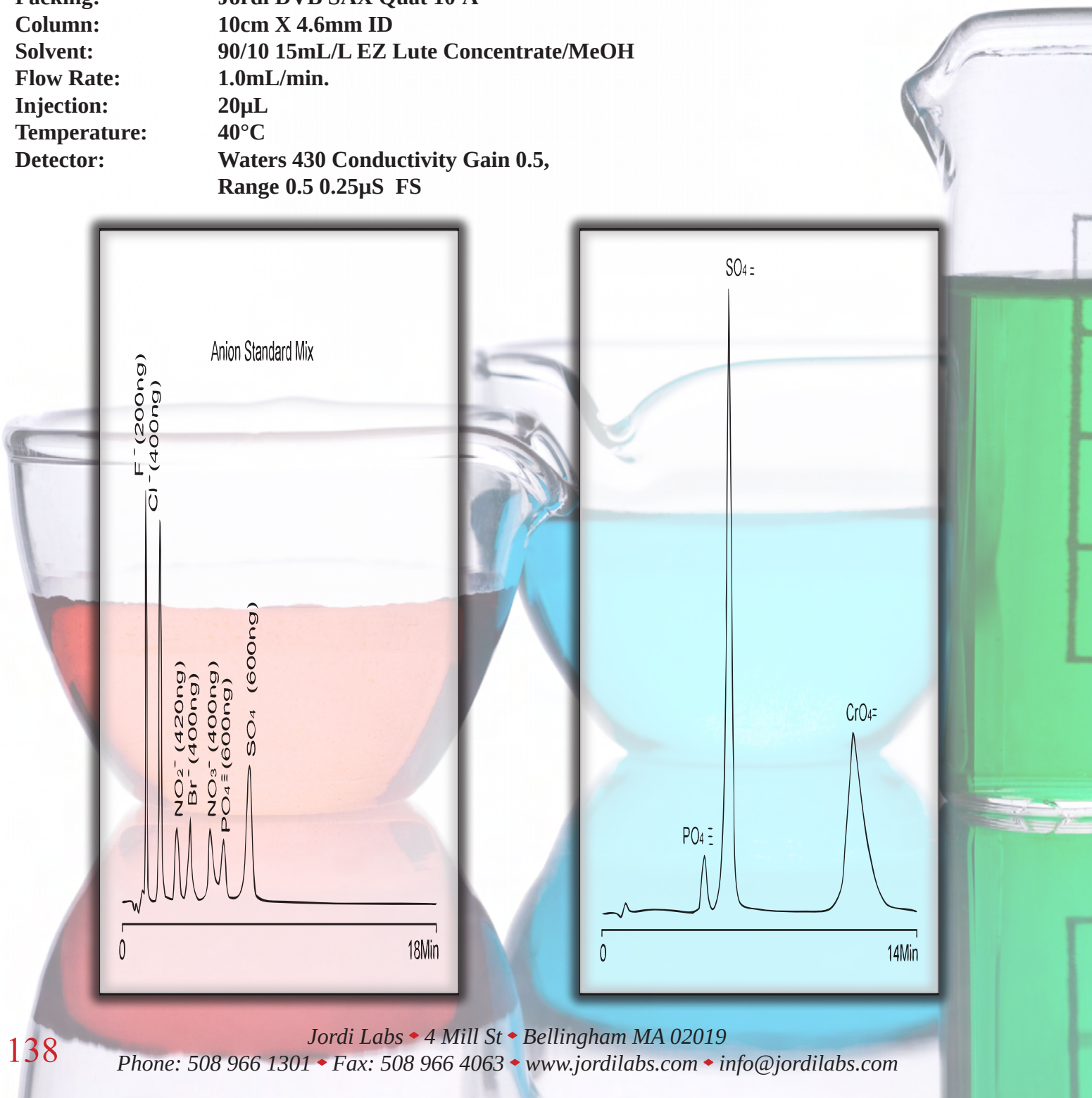
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

CHROMATE PLATING BATH

Part Number:	**18701**
Packing:	**Jordi DVB SAX Quat 10^3Å**
Column:	**10cm X 4.6mm ID**
Solvent:	**90/10 15mL/L EZ Lute Concentrate/MeOH**
Flow Rate:	**1.0mL/min.**
Injection:	**20µL**
Temperature:	**40°C**
Detector:	**Waters 430 Conductivity Gain 0.5, Range 0.5 0.25µS FS**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

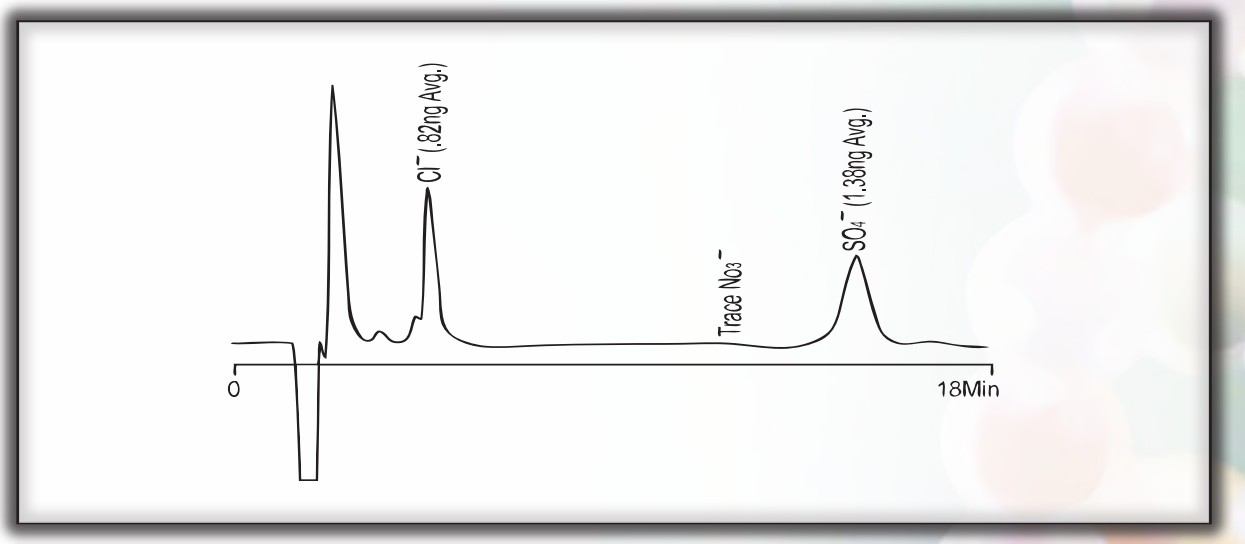
JORDI

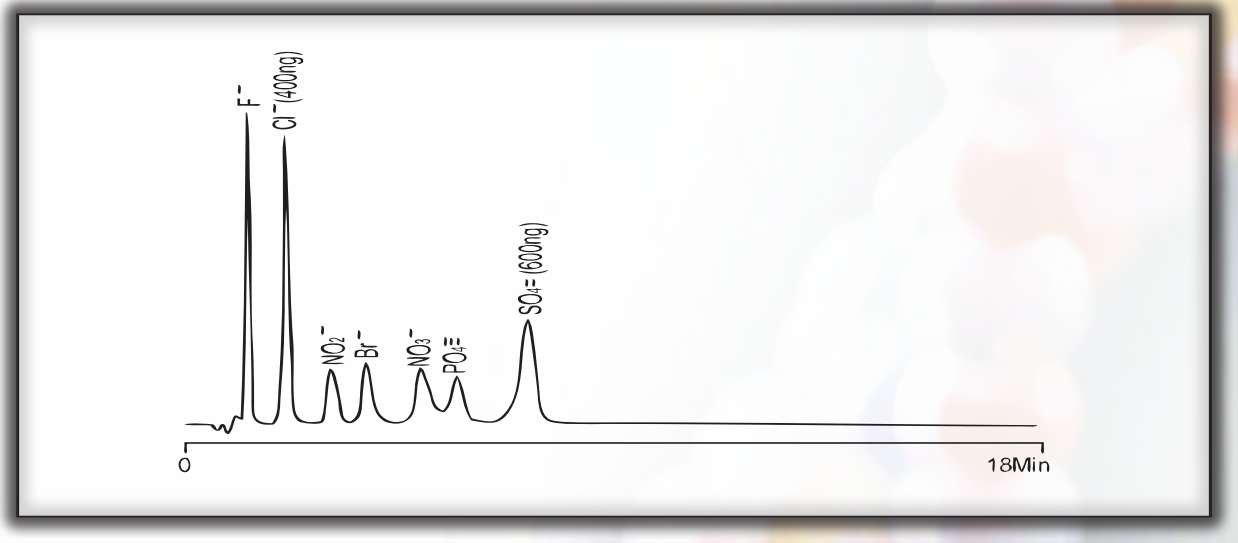
MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

CORROSION TEST

Part Number:	**18701**
Packing:	**Jordi DVB SAX Quat 10^3Å**
Column:	**10cm X 4.6mm ID**
Solvent:	**90/10 15mL/L EZ Lute Concentrate/MeOH**
Flow Rate:	**1.0mL/min.**
Injection:	**20µL**
Temperature:	**40°C**
Detector:	**Waters 430 Conductivity Gain 0.2, Range 0.5 1µS FS**





Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

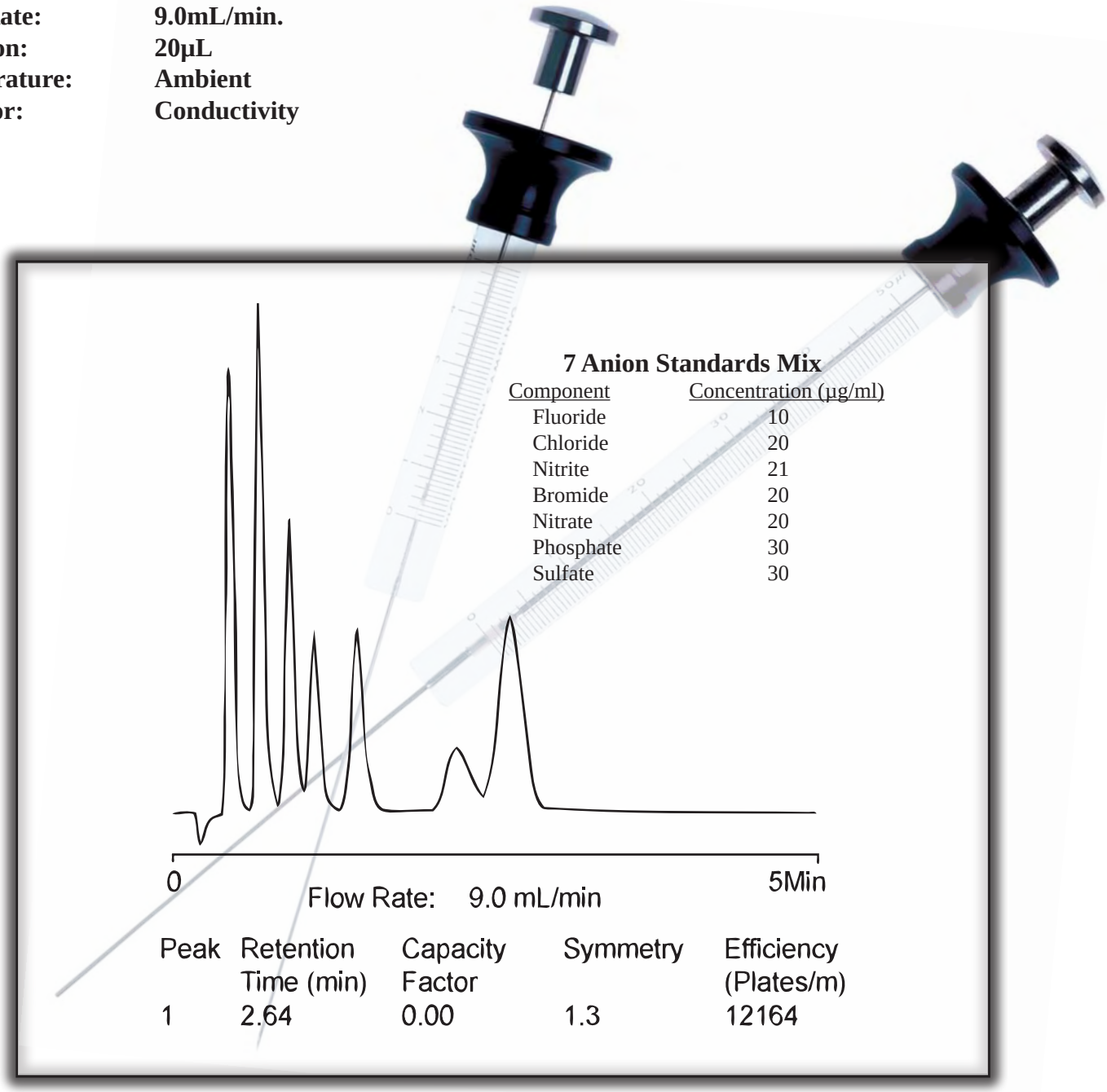
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

7 ANION STANDARD MIX

Part Number:	**18701**
Packing:	**Jordi DVB SAX Quat 10^3Å**
Column:	**10cm X 4.6mm ID**
Solvent:	**10mL/L EZ Lute**
Flow Rate:	**9.0mL/min.**
Injection:	**20µL**
Temperature:	**Ambient**
Detector:	**Conductivity**



Jordi Labs ◆ 4 Mill St ◆ Bellingham MA 02019
Phone: 508 966 1301 ◆ Fax: 508 966 4063 ◆ www.jordilabs.com ◆ info@jordilabs.com

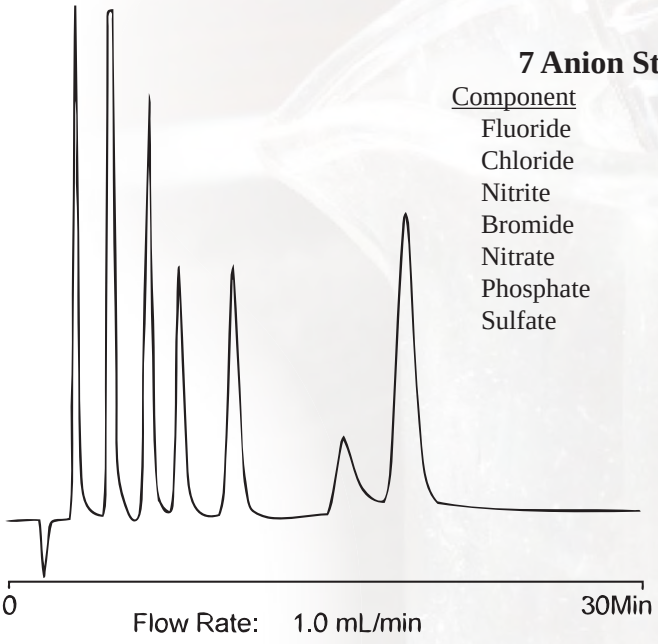
JORDI

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

HPLC APPLICATION

7 ANION STANDARD MIX

Part Number: 18701
Packing: Jordi DVB SAX Quat 10^3Å
Column: 10cm X 4.6mm ID
Solvent: 10mL/L EZ Lute
Flow Rate: 1.0mL/min.
Injection: 20µL
Temperature: Ambient
Detector: Conductivity



7 Anion Standards Mix

Component	Concentration (µg/ml)
Fluoride	10
Chloride	20
Nitrite	21
Bromide	20
Nitrate	20
Phosphate	30
Sulfate	30

Peak	Retention Time (min)	Capacity Factor	Symmetry	Efficiency (Plates/m)
1	3.36	0.00	1.2	20029
2	5.01	0.49	1.4	23967
3	6.81	1.03	1.0	23002
4	8.24	1.45	1.2	26295
5	10.76	2.20	1.0	28324
6	18.91	4.63	0.4	82783

INDEX

Pg 87	2’deoxy-2’fluoroadenosine alphatrithiophosphate & 2’deoxy-2’fluoroadenosine	A: 0.1M TEAA/1% ACN B: 50% 0.1M TEAA/ACN	DVB/RP
Pg 83	2’deoxy-2’fluoroadenosine alphatrithiophosphate Sodium Salt	A: 0.1M TEAA/ACN 99:1 B: 0.1M TEAA/ACN/MeOH 50:25:25	DVB/RP
Pg 93	Dilaurylthiodipropionate, Dimyristylthiodipropionate & Distearylthiodipropionate-polymer Antioxidants	45/45/10 ACN/IPA/IO	DVB RP 103Å
Pg 70	Dimethylaminoethyl Phenol Standards	80/20 ACN/0.2M NaOH	DVB/RP
Pg 134	Divinylbenzene	85/15 CHCl3/MeOH	DVB Sulfonated
Pg 30	Erythromycin (New & Aged)	45/23/32 ACN/0.05M KH2PO4/MeOH	DVB C18
Pg 7	Fat Soluble Vitamins	ACN w/0.1% TFA	DVB C18
Pg 66	Fatty Acids (Even Carbon)	95/5 MeOH/THF	DVB/RP
Pg 64	Fatty Acids (Odd Carbon)	95/5 MeOH/THF	DVB/RP
Pg 67	Short Chain Fatty Acids	50/50/1 ACN/H2O/H3PO4	DVB/RP
Pg 28	Short Chain Fatty Acids	50/50/1 ACN/H2O/H3PO4	DVB C18
Pg 76	Fumonisin B1	50/25/25 H2O/MeOH/ACN	DVB/RP
Pg 33	Fumonisin B1	50/25/25 H2O/MeOH/ACN	DVB C18
Pg 34	Fumonisin B1	50/25/25 H2O/MeOH/ACN	DVB C18
Pg 42	Fumonisin B1	50/25/25 H2O/MeOH/ACN	DVB C18
Pg 35	Fumonisin B1	50/25/25 H2O/MeOH/ACN	DVB C18
Pg 136	Glucose & Acetic Acid	0.01M Phosphoric Acid, pH adj. to 7.5	DVB Sulfonated
Pg 72	Glycerol Monoesters	78/22 to 100/0 ACN/H2O, 30 min.	DVB/RP
Pg 73	Glycerol Monoesters	78/22 to 100/0 ACN/H2O, 30 min.	DVB/RP
Pg 56	Hindered Phenolic Antioxidants	ACN/H2O 78/22 to 100/0 30 min linear	DVB/RP
Pg 98	Hydroquinone	10/10/80 MeOH/ACN/H2O w/0.1% TFA	DVB 103Å
Pg 94	Irganox 1010, Naugard 445 & Distearylthiodipropionate-Polymer Antioxidants	45/45/10 ACN/IPA/IO	DVB RP 103Å
Pg 121	Jordi Peptide Protein	90/10→60/40 A/B 30 min. linear A: 99/1 H2O/Acetic Acid B: 99/1 ACN/Acetic Acid	Jordi Peptide Protein
Pg 108	Lipids and a Triglyceride	50/43/7 CHCl3/MeOH/0.15% TFA in H2O	DVB Glucose NP 500Å
Pg 101	Mineral Oil and Motor Oils	75/25 Ethanol/2-propanol	DVB RP 103Å
Pg 22	2’ and 3’ Monophosphate Nucleotides	99/1 0.01M Sodium Acetate/ACN	DVB C18
Pg 23	2’ and 3’ Monophosphate Nucleotides	99/1 0.01M Sodium Acetate/ACN	DVB C18
Pg 14	Nucleosides and Bases	99/1 0.01M Sodium Acetate/ACN	DVB C18
Pg 15	Nucleosides and Bases	99/1 0.01M Sodium Acetate/ACN	DVB C18
Pg 16	Nucleosides and Bases	99/1 0.01M Sodium Acetate/ACN	DVB C18
Pg 63	Nucleosides and Bases	97/1/2 0.01M NaOAC/ACN/MeOH	DVB/RP
Pg 62	Nucleotides	97/1/2 0.01M NaOAC/ACN/MeOH	DVB/RP
Pg 102	Nylon 6 Monomer	10/90→100/0 CH3CN/H2O	DVB RP 103Å
Pg 50	Organic Acids	90/10 MeOH/THF	DVB/RP
Pg 51	Organic Acids	34.7/15.3/50 ACN/THF/H2O	DVB/RP
Pg 79	Parabens by GPC & LC	Acetonitrile, Methanol, THF or 50/50 Acetonitrile/Methanol	DVB 500Å
Pg 92	PEG 425	60/40 MeOH/H2O	DVB RP 103Å
Pg 31	Penicillin (New & Aged)	50/50 ACN/0.05M KH2PO4	DVB C18

Pg 59	Phenols	A: 45/45/10 B: 8/73/19 H2O/ACN/MeOH w/0.1% TFA	DVB/RP
Pg 24	Phenols	A: 44/56 B: 10/90 H2O/ACN w/0.1% TFA	DVB C18
Pg 129	Peptide Protein Standard Separation	80/20→40/60 A/B 30 min linear A: 0.15% TFA in H2O B: 0.15% TFA in ACN	Peptide/Protein Hydroxylated
Pg 107	Phospholipid Mixture	48/42/10 CHCl3/MeOH/H2O w/0.2% NH4OH	DVB Glucose 500Å
Pg 135	Phosphoric Compounds	0.02M Phosphoric Acid w/3% ACN	DVB Sulfonated
Pg 116	Polyhydroxy Alkaloids	A: ACN: 0.2% (w/v) B: Ammonium Acetate in H2O	Polyamine 500Å
Pg 99	Polymer Sample Separations	100/0→0/100 ACN/CHCl3 linear over 30 minutes	DVB 103Å
Pg 105	Proteins	A: 0.1% TFA in H2O B: 0.1% TFA in ACN	DVB Solid Bead
Pg 104	Proteins & Enzymes	A: 0.1% TFA in H2O B: 0.1% TFA in ACN	DVB Solid Bead
Pg 131	Protein Standards Mix	80/20→40/60 A/B 30 min. Linear A: 0.15% TFA in H2O B: 0.15% TFA in ACN	Peptide Protein Hydroxylated
Pg 122	Protein Standard Separation	90/10→60/40 A/B 30 min. Linear A: 98/2 H2O/Acetic Acid B: 98/2 ACN/Acetic Acid	Peptide Protein
Pg 123	Protein Standard Separation	80/20→40/60 A/B 10 min. Linear A: 0.15% TFA in H2O B: 0.15% TFA in ACN	Peptide Protein
Pg 124	Protein Standard Separation	80/20→40/60 A/B 10 min. Linear A: 0.15% TFA in H2O B: 0.15% TFA in ACN	Peptide Protein
Pg 125	Protein Standard Separation	80/20→40/60 A/B 10 min. Linear A: 0.15% TFA in H2O B: 0.15% TFA in ACN	Peptide Protein
Pg 126	Protein Standard Separation	80/20→40/60 A/B 10 min. Linear A: 0.15% TFA in H2O B: 0.15% TFA in ACN	Peptide Protein
Pg 127	Protein Standard Separation	80/20→40/60 A/B 10 min. Linear A: 0.15% TFA in H2O B: 0.15% TFA in ACN	Peptide Protein
Pg 128	Protein Standard Separation	80/20→40/60 A/B 10 min. Linear A: 0.15% TFA in H2O B: 0.15% TFA in ACN	Peptide Protein
Pg 120	Protein Standard Separation	80/20→40/60 A/B 30 min. Linear A: 0.15% TFA in H2O B: 0.15% TFA in ACN	Peptide Protein
Pg 132	Protein Standard Separation	80/20→40/60 A/B 30 min. Linear A: 0.15% TFA in H2O B: 0.15% TFA in ACN	Peptide Protein
Pg 80	Quercitin & Rutin	75/25 Acetic Acid/MeOH	DVB 500Å
Pg 81	Quercitin & Rutin	50/50 Pyridine/Glacial Acetic Acid	DVB 500Å
Pg 95	RP Mix	MeOH/ACN/THF/H2O 10/20/30/40	DVB RP 103Å
Pg 41	RP Mix	MeOH/ACN/THF/H2O 10/20/30/40	DVB C18
Pg 88	RP Mix	MeOH/ACN/THF/H2O 10/20/30/40	DVB RP 500Å Bullet
Pg 38	RP Mix	MeOH/ACN/THF/H2O 10/20/30/40	DVB C18
Pg 77	RP Mix w/New Mobile Phase	50/25/25 ACN/MeOH/H2O	DVB/RP
Pg 78	RP Mix w/New Mobile Phase	30/30/40 THF/ACN/H2O	DVB/RP
Pg 40	RP Mix w/New Mobile Phase	30/30/40 THF/ACN/H2O	DVB C18

Pg 43	RP Mix w/New Mobile Phase	30/30/40 THF/ACN/H2O	DVB C18
Pg 36	RP Mix w/New Mobile Phase	60/40 THF/H2O	DVB C18
Pg 39	RP Mix w/New Mobile Phase	50/25/25 ACN/MeOH/H2O	DVB C18
Pg 96	Sea Nine 211 Rohm & Haas	100/0 CH3CN/H2O Antifouling Agent	DVB RP 103Å
Pg 112	Separation of Organic Acids	0.01M of Phosphoric Acid, pH 3 w/NaOH	DVB Organic Acid 500Å
Pg 89	Separation of Polyethylene Glycol & Polypropylene Glycol	A: 78/22 CH3Ca/H2O B: 2-propanol 40/60 A/B→B linear over 10 minutes	DVB 500Å
Pg 90	Separation of Polyethylene Glycol & Polypropylene Glycol	2-propanol	DVB 500Å
Pg 74	Slip Agents	78/22 to 100/0 ACN/H2O 30 min	DVB/RP
Pg 75	Slip Agents	78/22 to 100/0 ACN/H2O 30 min	DVB/RP
Pg 27	Steroids	65/35 ACN/H2O	DVB C18
Pg 65	Steroids	85/15 ACN/H2O	DVB/RP
Pg 117	Sugar Standards	75/20/5 ACN/H2O/MeOH	DVB Polyamine
Pg 114	Sugar Standards	80/15/5 ACN/H2O/MeOH	DVB Polyamine
Pg 71	Tannic Acid	80/10/10 H2O/ACN/MeOH	DVB/RP
Pg 68	Tetracycline & related Compounds	30/70 ACN/H2O w/0.1% TFA	DVB/RP
Pg 29	Tetracycline & related Compounds	20/80 ACN/H2O w/0.1% TFA	DVB C18
Pg 69	2,4,6-Tris(Dimethylaminoethyl)	80/20 ACN/0.02M NaOH Phenol Standard	DVB/RP
Pg 97	Urethane Prepolymer	100/0→0/100 ACN/CHCl3 linear over 30 min	DVB/103Å
Pg 55	Vanillin Compounds	80/20 ACN/H2O w/0.1% TFA	DVB/RP
Pg 13	Vanillin Compounds	40/60 H2O/ACN w/0.1% TFA	DVB C18
Pg 20	Vanillin Compounds	40/60 H2O/ACN w/0.1% TFA	DVB C18
Pg 12	Vasoconstrictors	24/75/1 ACN/0.2M NaOH/Butylamine	DVB C18
Pg 52	Vasoconstrictors	24/74/2 ACN/0.2M NaOH/Butylaime	DVB/RP
Pg 3	Water Soluble Vitamins	50/40/10 H2O/ACN/MeOH	DVB C18
Pg 4	Water Soluble Vitamins	50/40/10 H2O/ACN/MeOH	DVB C18
Pg 5	Water Soluble Vitamins	70/30 H2O/ACN w/0.1% TFA	DVB C18
Pg 6	Water Soluble Vitamins	50/40/10 H2O/ACN/MeOH	DVB C18