HPLC Application ID No.: 16616

Detection:

Mixtures of Acids, Neutrals and Bases in Potassium Phosphate pH 2.5 on Gemini-NX 5um C18

Column:	Gemini® 5 µm NX-C18 110 Å, LC Column 150 x 4.6 mm, Ea				
Dimensions:	150 x 4.6 mm ID				
Order No:	00F-4454-E0				
Elution Type:	Gradient				
Eluent A:	20mM Potassium Phosphate pH2.5				
Eluent B:	Acetonitrile				
Gradient	Step No.	Time (min)	Pct A	Pct B	
Profile:	1	0	95	5	
	2	8	20	80	
	3	10	20	80	
	4	10.1	95	5	
	5	13	95	5	
Flow Rate:	1.5 mL/min				
Col. Temp.:	ambient				

Analyst Note: SecurityGuard™ Guard Cartridge System extends column lifetime.



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Products used in this application:



- SecurityGuard Cartridges, C18 4 x 3.0mm, 10/Pk Part No.: AJ0-4287 - Holder Part No.: KJ0-4282 1 10 9 2 3 8 6 5 2 δ 4 8 10 12 min 6

UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)

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Mixtures of Acids, Neutrals and Bases in Potassium Phosphate pH 2.5 on Gemini-NX 5um C18

ANALYTES:

- Pyridine 1
- 2 Quinidine
- 3 Sulfathiazole
- Triprolidine 4
- 5 Benzyl alcohol
- Phenol 6
- 7 Nortriptyline
- 3-Methyl-4-nitrobenzoic acid 8
- 9 Methyl salicylaldehyde
- 10 Hexanophenone

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