

HPLC Application

ID No.: 18723

Melamine and Cyanuric Acid on Kinetex 2.6 µm HILIC 50 x 2.1 mm with Acquity UPLC MS/MS

Column: Kinetex® 2.6 µm HILIC 100 Å, LC Column 50 x 2.1 mm, Ea

Dimensions: 50 x 2.1 mm ID

Order No: 00B-4461-AN

Elution Type: Gradient

Eluent A: 90/10 ACN/100mM NH₄ acetate pH 5.8

Gradient Profile:	Step No.	Time (min)	Pct A
	1	0	100
	2	0	100

Flow Rate: 1 mL/min

Col. Temp.: ambient

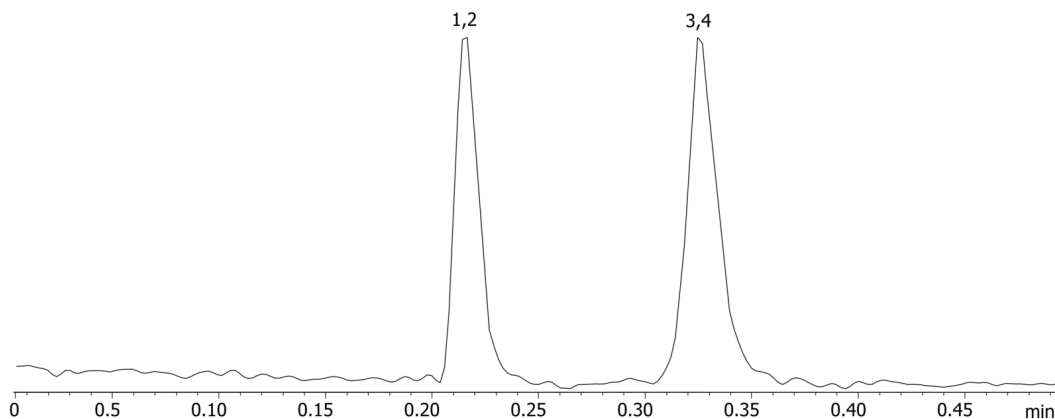
Detection: Mass Spectrometer (MS) @ amu (110 °C)

Detector Info: Switch from Negative Ion Mode (Cyanuric acid) to Positive Ion (for Melamine) at 0.26 minutes until 1 minute; MRM

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Cyanuric acid 128-85.0 (quant ion), 128.0-42.0 (qualifier ion), Cyanuric acid-13C₃ ISTD 131.1-87.0, Melamine 127.1-85 (quant ion), 127.1-68 (qualifier ion), Melamine-13C₃ 15N₃ ISTD 133.2-89.1



Products used in this application:



ANALYTES:

- 1** Cyanuric acid
Retention Time: 0.22 min
- 2** Cyanuric acid-13C₃
Retention Time: 0.22 min
- 3** Melamine
Retention Time: 0.33 min
- 4** Melamine-13C₃.15N₃
Retention Time: 0.33 min

