

# 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 NH<sub>4</sub> acetate pH 5.8

**Gradient**

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)

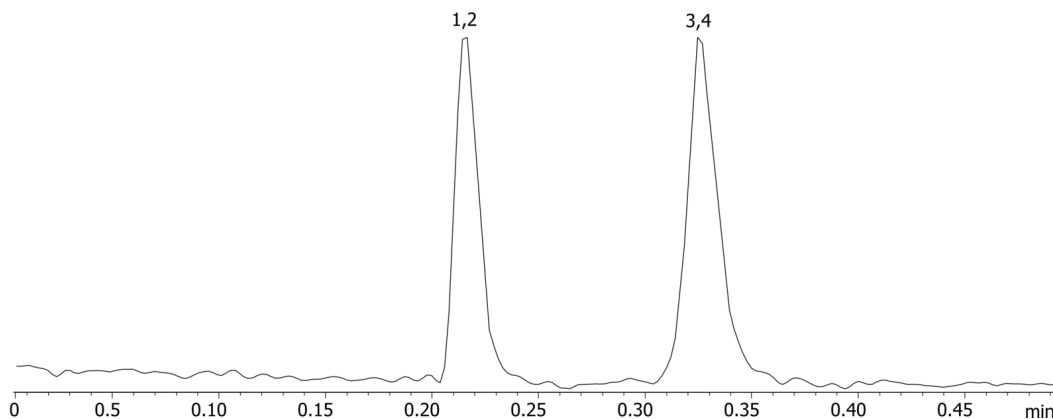
**Detector Info:** Switch from Negative Ion Mode (Cyanuric acid) to Positive Ion (for Melamine) at 0.26 minutes until 1 minute; MRM

Cyanuric acid 128-85.0 (quant ion), 128.0-42.0 (qualifier ion), Cyanuric acid-13C<sub>3</sub> ISTD 131.1-87.0, Melamine 127.1-85 (quant ion), 127.1-68 (qualifier ion), Melamine-13C<sub>3</sub> 15N<sub>3</sub> ISTD 133.2-89.1

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Products used in this application:



### ANALYTES:

- 1 Cyanuric acid  
Retention Time: 0.22 min
- 2 Cyanuric acid-13C<sub>3</sub>  
Retention Time: 0.22 min
- 3 Melamine  
Retention Time: 0.33 min
- 4 Melamine-13C<sub>3</sub>.15N<sub>3</sub>  
Retention Time: 0.33 min

