

# HPLC Application

ID No.: 19958

## USP Acetaminophen, Acetylsalicylic Acid, Caffeine on Kinetex 2.6u C18 100x2.10mm on Shimadzu Nexera

**Column:** Kinetex® 2.6 µm C18 100 Å, LC Column 100 x 2.1 mm, Ea

**Dimensions:** 100 x 2.1 mm ID

**Order No:** 00D-4462-AN

**Elution Type:** Isocratic

**Eluent A:** 69:28:3 Water:Methanol:Acetic Acid

| Gradient        | Step No. | Time (min) | Pct A |
|-----------------|----------|------------|-------|
| <b>Profile:</b> | <b>1</b> | 12         | 100   |

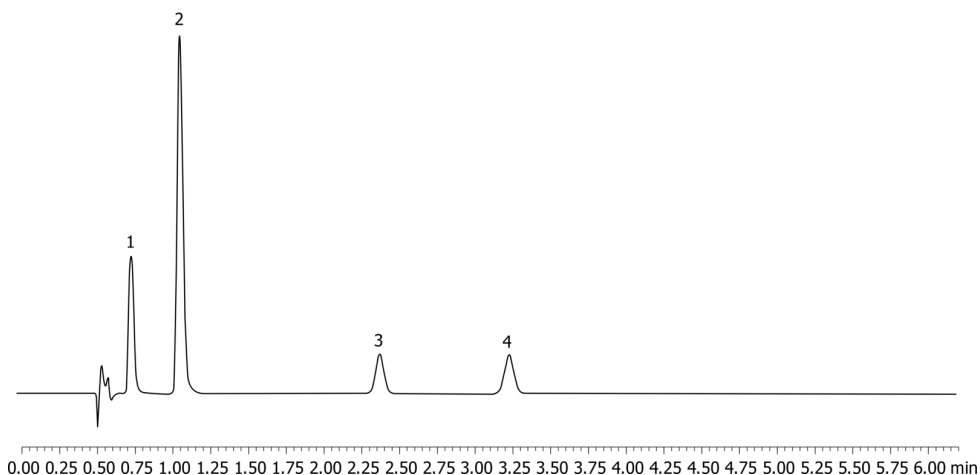
**Flow Rate:** 0.4 mL/min

**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 275 nm (ambient)  
19958



Products used in this application:



### ANALYTES:

- 1** Acetaminophen  
Retention Time: 0.721 min
- 2** Caffeine  
Retention Time: 1.045 min
- 3** Acetylsalicylic acid  
Retention Time: 2.37 min
- 4** Benzoic acid  
Retention Time: 3.226 min