

# HPLC Application

ID No.: 22791

## Typical Chromatogram of 6 Cannabinoids

**Column:** Kinetex<sup>®</sup> 2.6 μm XB-C18 100 Å, LC Column 150 x 3 mm, Ea

**Dimensions:** 150 x 3 mm ID

**Order No:** 00F-4496-Y0

**Elution Type:** Gradient

**Eluent A:** 5 mM Phosphate Buffer, pH 2.5

**Eluent B:** Acetonitrile

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 25    | 75    |
|                   | 2        | 3          | 5     | 95    |
|                   | 3        | 6          | 5     | 95    |

**Flow Rate:** 0.5 mL/min

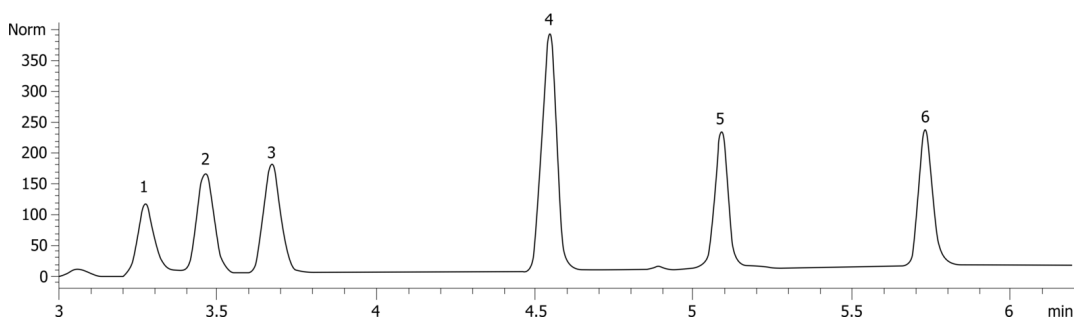
**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ (40 °C)

**Detector Info:** 222  
22791



Products used in this application:



### ANALYTES:

- 1** Cannabidiolic Acid (CBD-A)  
Retention Time: 3.274 min
- 2** Cannabigerol (CBG)  
Retention Time: 2.458 min
- 3** Cannabidiol (CBD)  
Retention Time: 3.67 min
- 4** Cannabinol (CBN)  
Retention Time: 4.544 min
- 5** Tetrahydrocannabinol (THC)  
Retention Time: 5.088 min
- 6** Tetrahydrocannabinol acetate (THC-A)  
Retention Time: 5.731 min

