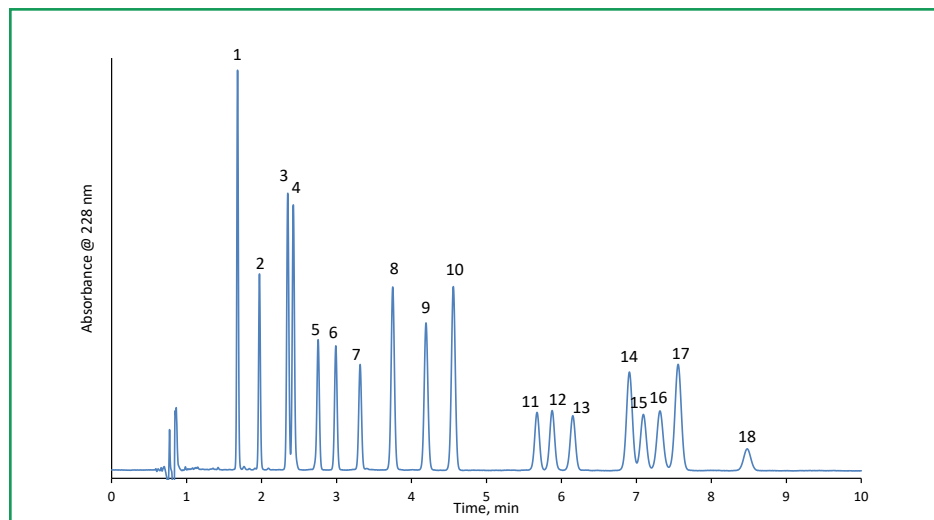




## Isocratic Separation of 18 Cannabinoids

222-CN



### PEAK IDENTITIES

- |  |  |
|--|--|
| 1. Cannabidivarinic acid (CBDVA)         | 10. Cannabinol (CBN)                       |
| 2. Cannabidivarin (CBDV)                 | 11. Exo-tetrahydrocannabinol (EXO-THC)     |
| 3. Cannabidiolic acid (CBDA)             | 12. delta 9- Tetrahydrocannabinol (D9-THC) |
| 4. Cannabigerolic acid (CBGA)            | 13. delta 8- Tetrahydrocannabinol (D8-THC) |
| 5. Cannabigerol (CBG)                    | 14. Tetrahydrocannabinolic acid A (THCA-A) |
| 6. Cannabidiol (CBD)                     | 15. Cannabichromenic acid (CBCA)           |
| 7. Tetrahydrocannabivarin (THCV)         | 16. Cannabicycol (CBL)                     |
| 8. Tetrahydrocannabivarinic acid (THCVA) | 17. Cannabichromene (CBC)                  |
| 9. Cannabinolic acid (CBNA)              | 18. Cannabicycloic acid (CBLA)             |

### TEST CONDITIONS:

**Column:** HALO 90 Å C18, 2.7 µm, 4.6 x 150mm

**Part Number:** 92814-702

**Mobile Phase:**

**A:** 20 mM Ammonium Formate, pH 2.9

**B:** Acetonitrile

**Isocratic:** 76% B

**Flow Rate:** 1.5 mL/min

**Pressure:** 231 bar

**Temperature:** 35 °C

**Detection:** UV 228 nm

**Injection Volume:** 4.0 µL

**Sample Solvent:** Methanol

**Response Time:** 0.025 sec

**Flow Cell:** 1.0 µL

**System:** Shimadzu Nexera X2

A HALO® C18 column is used to separate a mixture of eighteen cannabinoids, showing fast results and high resolution within critical pairs. Cannabinoids are a class of chemical compounds primarily found in the marijuana plant. Many of these compounds have been found to provide medicinal benefits such as reduction in pain and inflammation.

