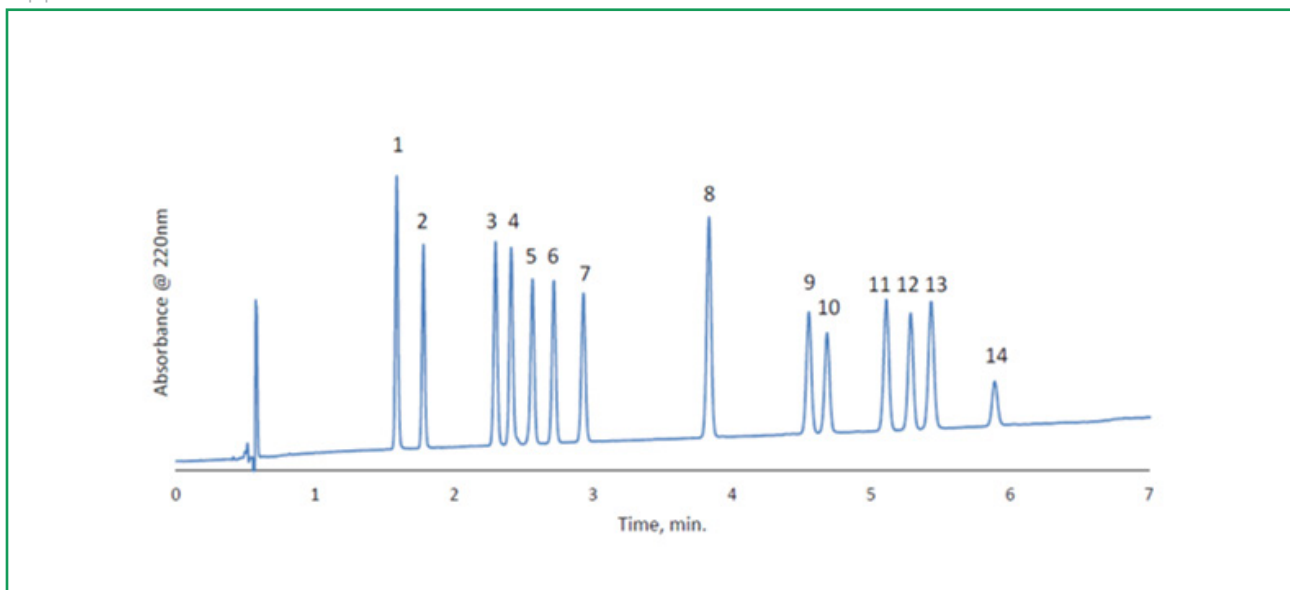




Separation of 14 Cannabinoids on HALO[®] C18

Application Note 162-CN



PEAK IDENTITIES:

1. Cannabidivarinic acid (CBDVA)
2. Cannabidvarin (CBDV)
3. Cannabidiolic acid (CBDA)
4. Cannabigerolic acid (CBGA)
5. Cannabigerol (CBG)
6. Cannabidiol (CBD)
7. Tetrahydrocannabivarin (THCV)
8. Cannabinol (CBN)
9. delta-9- Tetrahydrocannabinol (Δ^9 -THC)
10. delta-8-Tetrahydrocannabinol (Δ^8 -THC)
11. Cannabicyclol (CBL)
12. Cannabichromene (CBC)
13. delta-9-Tetrahydrocannabinolic acid A (THCA)
14. Cannabichromenic acid (CBCA)

TEST CONDITIONS:

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

Part Number: 92813-702

Mobile Phase:

A: Water/0.1% formic acid

B: Acetonitrile/0.085% formic acid

Gradient: 70-88% B in 6 min

Flow Rate: 1.0 mL/min

Initial Pressure: 350 bar

Temperature: 30 °C

Detection: UV 220 nm, PDA

Injection Volume: 0.6 μL

Dwell Volume: 0.471 mL

Sample Solvent: 75/25 methanol/water

Response Time: 0.025 sec

Data Rate: 100 Hz

Flow Cell: 1.0 μL

LC System: Shimadzu Nexera X2

