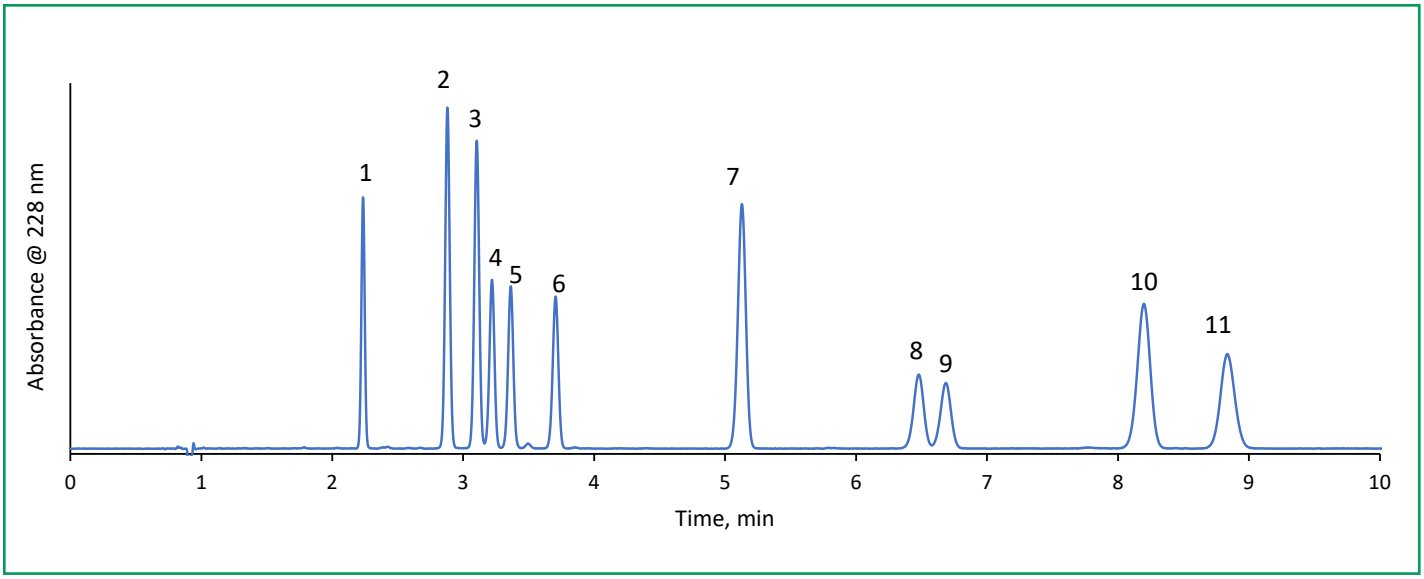
HALO®

CANNABIS

11 Cannabinoid Separation using HALO® LPH-C18

316



TEST CONDITIONS:

Column: HALO 90 Å LPH-C18, 2.7 µm, 4.6 x 150 mm
Part Number: 92824-716
Mobile Phase:
A: 5 mM Ammonium Formate, 0.1% Formic Acid
B: Acetonitrile, 0.1% Formic Acid
Isocratic: 75% B
Flow Rate: 1.5 mL/min
Pressure: 345 bar
Temperature: 30 °C
Injection Volume: 1.0 µL
Sample: LGC DRE-A50000255AL
Sample Solvent: 75/25 Acetonitrile/ Water
LC System: Shimadzu Nexera X2

PEAK IDENTITIES:

1. Cannabidivarin (CBDV)
2. Cannabidiolic Acid (CBDA)
3. Cannabigerolic Acid (CBGA)
4. Cannabigerol (CBG)
5. Cannabidiol (CBD)
6. Delta 9 tetrahydrocannabivarin (THCV)
7. Cannabinol (CBN)
8. (-)-delta 9 THC (D9-THC)
9. (-)-delta 8 THC (D8-THC)
10. Delta 9 tetrahydrocannabinolic acid A (THCA-A)
11. (+/-) Cannabichromene (CBC)

A HALO® LPH-C18 column is used to separate a mixture of eleven cannabinoids, showing fast results and high resolution for 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.

LGC Standards

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