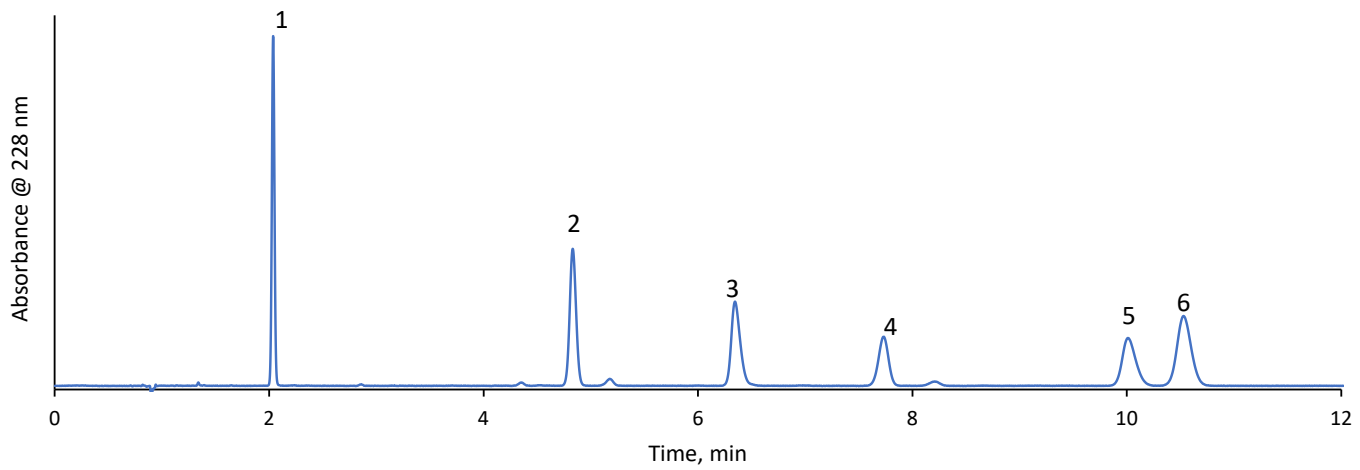
HALO®

CANNABIS

6 Cannabinoid Separation using HALO® LPH-C18

317



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-A50000257AL
Sample Solvent: 75/25 Acetonitrile/ Water
LC System: Shimadzu Nexera X2

PEAK IDENTITIES:

1. Cannabidivarinic Acid (CBDVA)
2. Delta 9 tetrahydrocannabivarinic Acid (THCVA)
3. Cannabinolic Acid (CBNA)
4. Cannabicyclol (CBL)
5. (+/-) Cannabichromenic Acid (CBCA)
6. (+/-) rac-cannabicyclolic Acid (CBLA)

LGC Standards

A HALO® LPH-C18 column is used to separate a mixture of six 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.

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