

Cannabis Potency Compounds on Rxi®-17Sil MS

Peaks

1. Cannabichromene
2. Cannabidiol
3. delta-8-Tetrahydrocannabinol
4. delta-9-Tetrahydrocannabinol
5. Cannabigerol
6. Cannabinol

Column Rxi®-17Sil MS, 15 m, 0.25 mm ID, 0.25 µm (cat.# 14120)

Sample Cannabinoids standard (cat.# 34014)
Cannabichromene (cat.# 34092)
delta-8-Tetrahydrocannabinol (THC) (cat.# 34090)
Cannabigerol (cat.# 34091)

Injection

Inj. Vol.: 1 µL split (split ratio 50:1)
Liner: Premium 4 mm Precision® liner w/wool (cat.# 23305.5)
Inj. Temp.: 250 °C

Oven

Oven Temp.: 225 °C (hold 0.1 min) to 330 °C at 35 °C/min (hold 0.9 min)

Carrier Gas

Flow Rate: H₂ constant flow
2.5 mL/min

Detector

FID @ 350 °C

Constant Column +

Constant Make-up: 50 mL/min

Make-up Gas

Type: N₂

Hydrogen flow: 40 mL/min

Air flow: 450 mL/min

Data Rate: 20 Hz

Instrument

Agilent/HP6890 GC

