

Simulated Distillation on MXT®-1HT SimDist by ASTM D7213 Using Hydrogen Carrier Gas

Column MXT®-1HT SimDist, 5 m, 0.53 mm ID, 0.88 µm (cat.# 70131)
Sample Retention time standard for D7213 (C5-C72), Separation Systems, Inc.
Reference gas oil #1

Injection
Inj. Vol.: 1 µL PTV on column
Liner: Premium 1.7 mm ID on-column inlet liner (cat.# 23430.1)
Inlet Temp. Program: 90 °C to 380 °C at 20 °C/min

Oven
Oven Temp.: 40 °C to 380 °C at 16.9 °C/min (hold 5 min)

Carrier Gas H₂, constant flow
Flow Rate: 20 mL/min

Detector FID @ 390 °C
Make-up Gas Flow Rate: 25 mL/min
Hydrogen flow: 25 mL/min
Air flow: 400 mL/min

Instrument Agilent 7890B GC

