

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)
Inlet Temp. Program: 90 $^{\circ}\text{C}$ to 380 $^{\circ}\text{C}$ at 20 $^{\circ}\text{C}/\text{min}$

Oven
Oven Temp.: 40 $^{\circ}\text{C}$ to 380 $^{\circ}\text{C}$ at 16.9 $^{\circ}\text{C}/\text{min}$ (hold 5 min)

Carrier Gas H_2 , constant flow
Flow Rate: 20 mL/min

Detector FID @ 390 $^{\circ}\text{C}$

Make-up Gas
Flow Rate: 25 mL/min
Hydrogen flow: 25 mL/min
Air flow: 400 mL/min

Instrument Agilent 7890B GC

