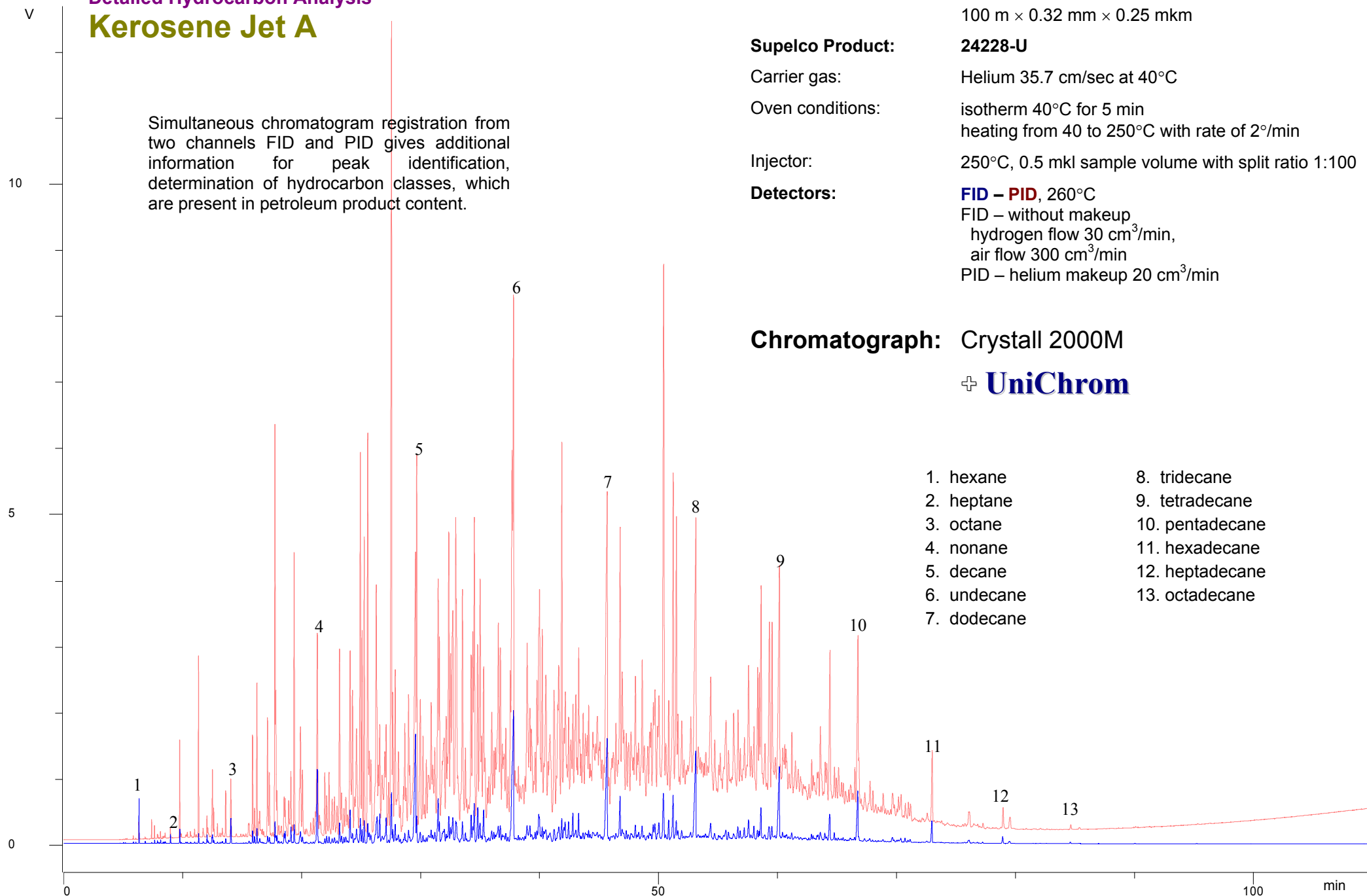


Detailed Hydrocarbon Analysis Kerosene Jet A

Simultaneous chromatogram registration from two channels FID and PID gives additional information for peak identification, determination of hydrocarbon classes, which are present in petroleum product content.



Column:

SPB™ -1

100 m × 0.32 mm × 0.25 mkm

Supelco Product:

24228-U

Carrier gas:

Helium 35.7 cm/sec at 40°C

Oven conditions:

isotherm 40°C for 5 min
heating from 40 to 250°C with rate of 2°/min

Injector:

250°C, 0.5 mkl sample volume with split ratio 1:100

Detectors:

FID – PID, 260°C

FID – without makeup

hydrogen flow 30 cm³/min,

air flow 300 cm³/min

PID – helium makeup 20 cm³/min

Chromatograph: Crystall 2000M

+ **UniChrom**

- | | |
|-------------|-----------------|
| 1. hexane | 8. tridecane |
| 2. heptane | 9. tetradecane |
| 3. octane | 10. pentadecane |
| 4. nonane | 11. hexadecane |
| 5. decane | 12. heptadecane |
| 6. undecane | 13. octadecane |
| 7. dodecane | |