



# Younglin Application Note

REF No. : YL-APP-986011

## Subject : Analysis of Dye in Diesel oil

### Key Words

: Maxol red 1-L, Diesel oil



### Instrument

- Younglin 9600L HPLC
- Younglin Autochro-WIN

### Analysis conditions

Time(min)	A	B	C	CV
0	100	0	0	*
2	100	0	0	06
5	0	0	100	06
7	0	2	98	06
15	0	5	95	06
20	0	100	0	06
22	0	100	0	06
25	100	0	0	06

- Column : Waters u-Porasil 3.9; 300mm
- Flow rate : 1.5 ml/min
- Mobile Phase : A - Hexane  
B - Ethyl acetate(EA)  
C - 0.2% EA in Hexane
- Detector : UV 360nm
- Injection Volume : 100  $\mu$ l

### Sample

Dye : Maxol Red 1-L(40-42% in Toluene)

Diesel oil 100%(RED09.raw)/ Dye 10ppm(in diesel oil)(RED08.raw)/ Dye 5ppm(in diesel oil) (RED10.raw)

### Chromatogram

