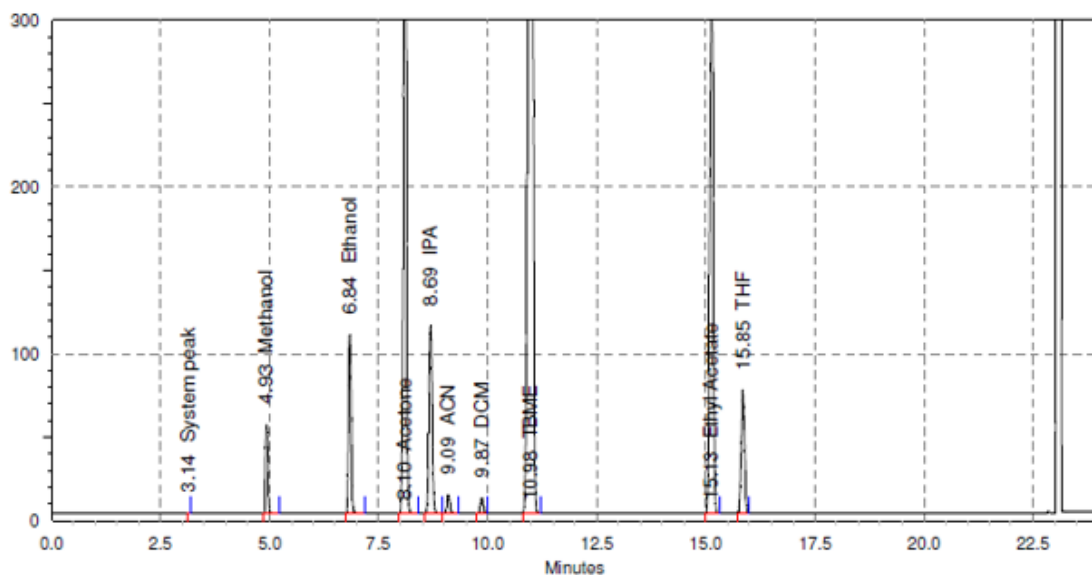


# TEVA PHARMACEUTICAL CASE STUDY



## Resolution Solution

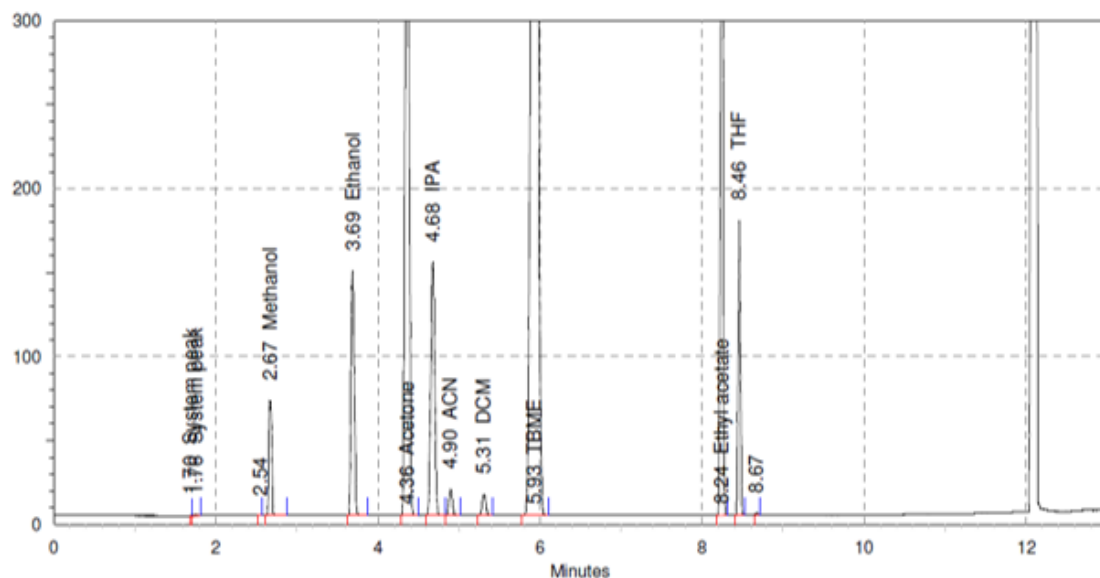
### HE



#### Instrument Method:

- Carrier Gas: He, 2.6mL/min
- Average Velocity: 33cm/sec
- Gradient Temp:
- 35°C for 10min then
- 5°C/min to 50°C for 4min then
- 30°C/min to 220°C for 2min
- Run Time: 25min

### H2



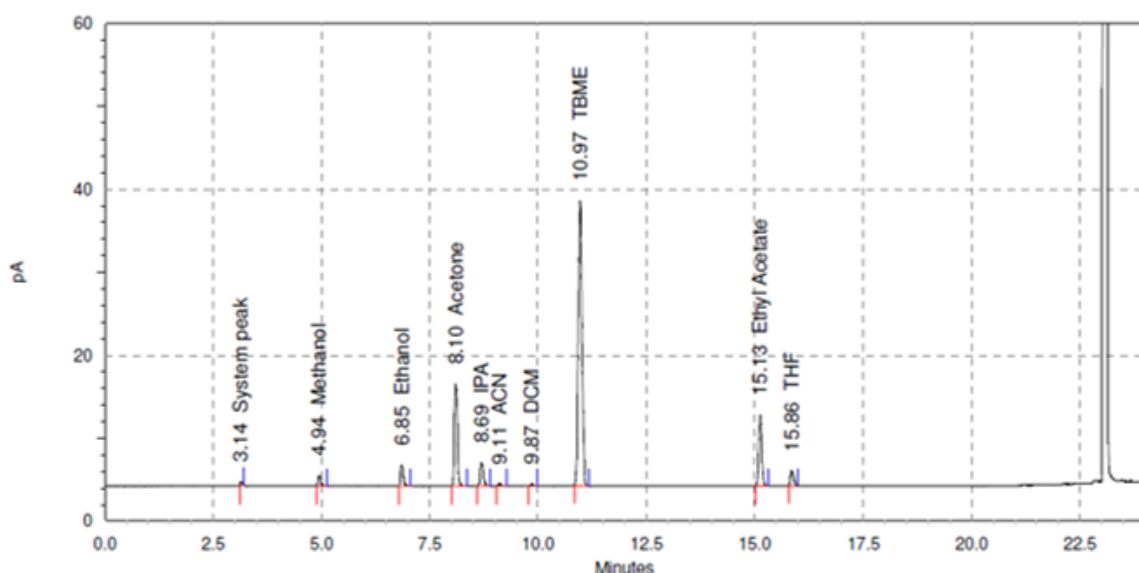
#### Instrument Method:

- Carrier Gas: H2, 4.4mL/min
- Average Velocity: 60cm/sec
- Gradient Temp:
- 35°C for 7min then
- 30°C/min to 220°C for 0min
- Run Time: 13min



# Sensitivity Solution

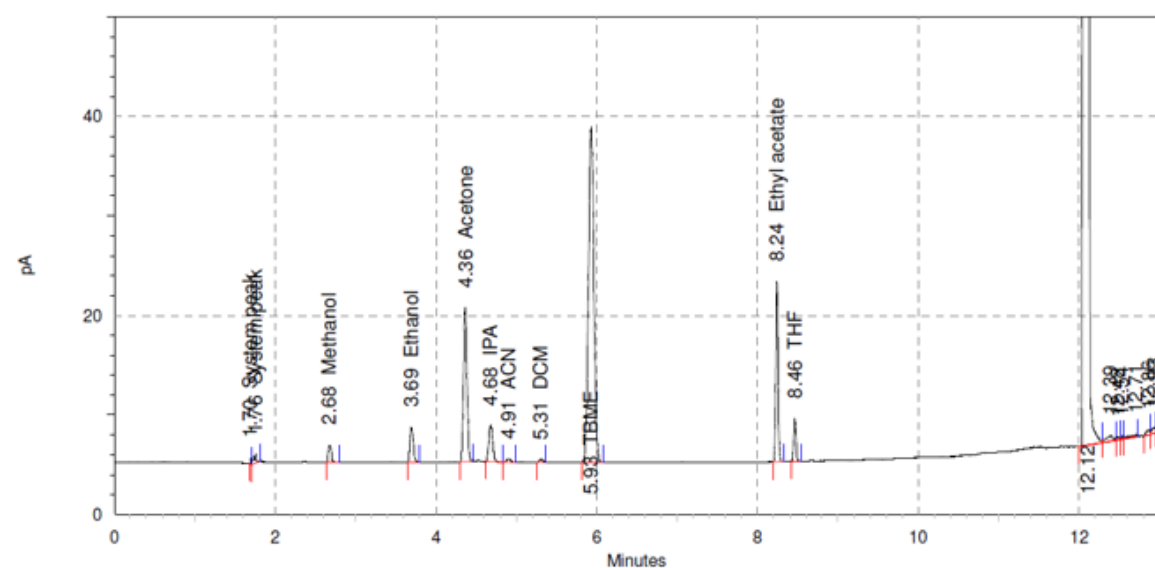
## HE



### Instrument Method:

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## H2



### Instrument Method:

- Carrier Gas: H2, 4.4mL/min
- Average Velocity: 60cm/sec
- Gradient Temp:
- 35°C for 7min then
- 30°C/min to 220°C for 0min
- Run Time: 13min



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## SUMMARY OF RESULTS

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Analyte Name	Resolution		S/N	
	He	H2	He	H2
Methanol	NA	NA	92	150
Ethanol	17.6	14.9	184	310
Acetone	10.5	8.6	882	1375
2-Propanol	4.5	3.7	200	324
Acetonitrile	3.0	2.5	18	31
Dichloromethane	5.9	4.9	17	24
tert-Butyl Methyl Ether	7.4	5.8	2477	2989
Ethyl Acetate	27.7	25.7	612	1601
Tetrahydrofuran	5.0	4.2	129	385

## CONCLUSIONS

- Safety ensured
- Shorter analysis time
- Fast and easy operation
- Quick and easy exchange between 2 carrier gasses