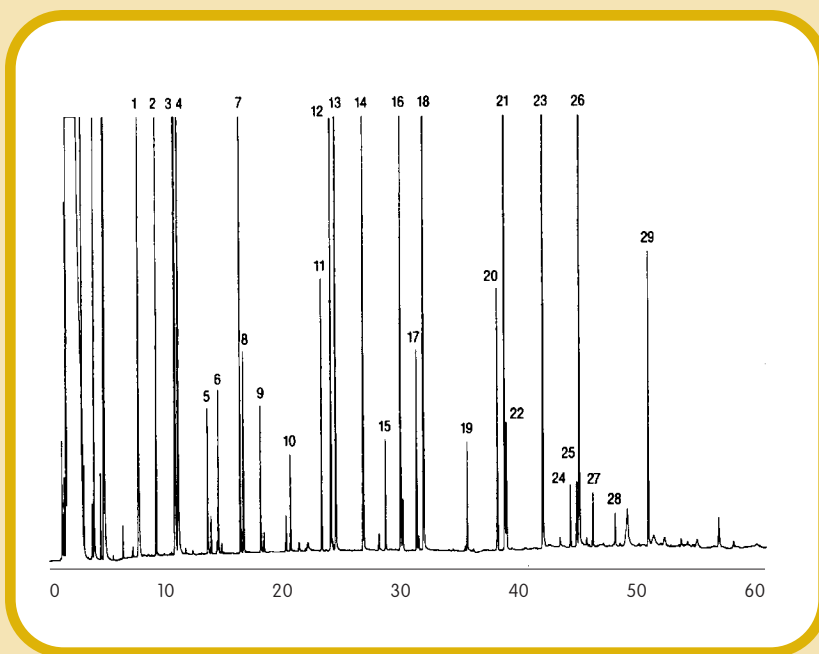




# GC CAPILLARY COLUMN APPLICATIONS:

## Flavors/Fragrances



### Whiskey Congeners (Typical Whiskey Aromas)

**COLUMN:** 007-FFAP, Bonded FFAP  
50M. x 0.25mm I.D. x 0.25µm film  
Cat. No.: 007-FFAP-50-0.25F

**Temperature:** 60° (0.6 min. hold) (3°/min.) - 225°C

**Injector:** 230°C

**Detector:** 280°C, FID

- |                          |                          |                     |
|--------------------------|--------------------------|---------------------|
| 1. ethyl lactate         | 12. C-12 ester           | 22. C-16:1 ester    |
| 2. C-8 ester             | 13. C-6 acid             | 23. C-11 acid       |
| 3. acetic acid           | 14. phenyl ethyl alcohol | (internal standard) |
| 4. furfural              | 15. C-12 alcohol         | 24. C-18 ester      |
| 5. C-3 acid              | 16. C-14 methyl ester    | 25. C-18:1 ester    |
| 6. C-4 iso acid          | (internal standard)      | 26. C-12 acid       |
| 7. C-10 ester            | 17. C-14 ester           | 27. C-18: 2 ester   |
| 8. C-4 acid              | 18. C-8 acid             | 28. C-18: 3 ester   |
| 9. C-5 iso acid          | 19. C-14 alcohol         | 29. C-14 acid       |
| 10. C-5 acid             | 20. C-16 ester           |                     |
| 11. phenyl ethyl acetate | 21. C-10 acid            |                     |



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