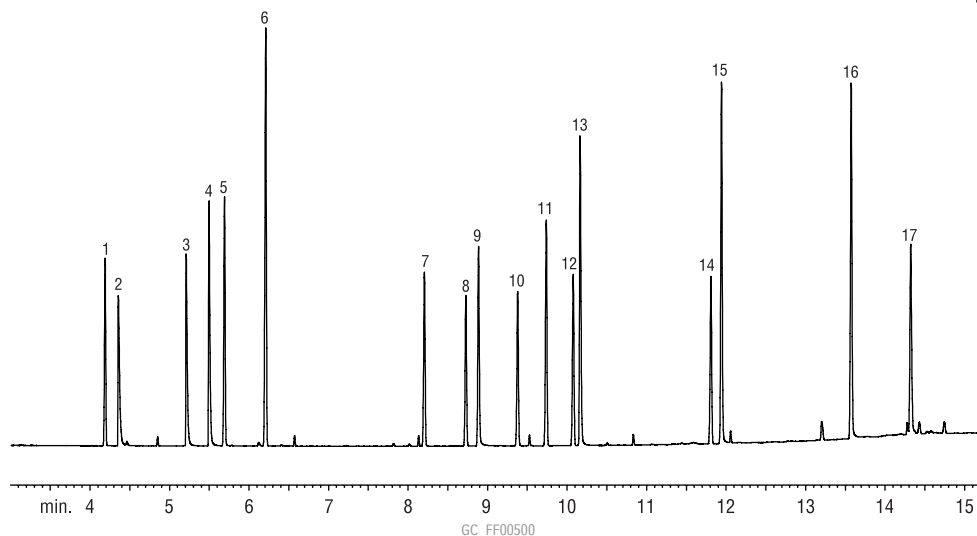


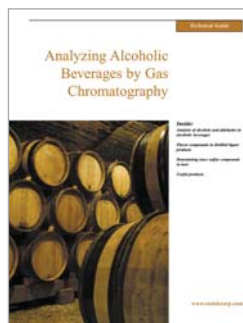
## Alcoholic Beverage Standard: Acids and Esters Stabilwax®-DA



### Peak List

| Peak                      | Conc. (ppm) |
|---------------------------|-------------|
| 1. ethyl octanoate        | 100         |
| 2. acetic acid            | 100         |
| 3. propionic acid         | 100         |
| 4. isobutyric acid        | 100         |
| 5. 3-decanol              | 50          |
| 6. ethyl decanoate        | 50          |
| 7. ethyl laurate          | 50          |
| 8. <i>cis</i> -lactone    | 100         |
| 9. 2-phenylethanol        | 50          |
| 10. <i>trans</i> -lactone | 100         |
| 11. methyl myristate      | 50          |
| 12. ethyl myristate       | 50          |
| 13. octanoic acid         | 100         |
| 14. ethyl palmitate       | 50          |
| 15. decanoic acid         | 100         |
| 16. dodecanoic acid       | 100         |
| 17. vanillin              | 100         |

Column: Stabilwax®-DA, 30m, 0.18mm ID, 0.18 $\mu$ m (cat.# 550752)  
 Inj.: 1 $\mu$ L splitless (hold 0.5 min.) at conc. shown in peak list, in ethyl acetate, 4mm ID splitless liner w/wool (cat.# 20814-202.1)  
 Inj. temp.: 240°C  
 Carrier gas: hydrogen  
 Make-up gas: nitrogen  
 Linear velocity: 28psi @ 240°C  
 Oven temp.: 70°C to 240°C at 12°C/min. (hold 3 min.)  
 Det.: FID



## free literature

### Analyzing Alcoholic Beverages by Gas Chromatography

*Selectivity, sensitivity, and minimal sample preparation make GC a powerful tool for monitoring alcoholic beverage composition*

Volatile component profiles of alcoholic beverages reveal a wide range of compounds: acids, alcohols, aldehydes, and others. This 16-page guide describes packed column GC and capillary GC approaches to monitoring these complex mixtures of analytes. A separate section is devoted to detailed information about quantifying trace sulfur compounds in beer.

Technical Guide  
**lit. cat.# 59462**

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