

**CoreFocus**  
**Report**  
**No. 518**

GC

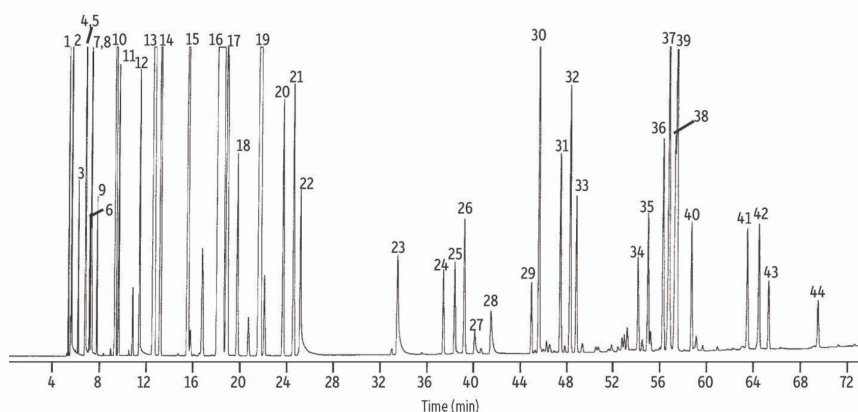
FID

SH Series

**SH-PolarWax**

**Analysis of Flavor volatiles**

**Keywords: Aroma ingredients, Fragrances**



- |                       |                        |                           |                                  |                      |
|-----------------------|------------------------|---------------------------|----------------------------------|----------------------|
| 1. hexane             | 10. $\alpha$ -pinene   | 19. $\gamma$ -terpinene   | 28. decanal                      | 37. valencene        |
| 2. acetaldehyde       | 11. ethylbutyrate      | 20. p-cymene              | 29. linalool                     | 38. geranial         |
| 3. acetone            | 12. n-hexanal          | 21. terpinolene           | 30. octanol                      | 39. carvone          |
| 4. methanol           | 13. $\beta$ -pinene    | 22. octanal               | 31. trans- $\alpha$ -bergamotene | 40. geranyl acetate  |
| 5. ethyl acetate      | 14. sabinene           | 23. nonanal               | 32. $\beta$ -caryophyllene       | 41. d/l carveol      |
| 6. isopropyl alcohol  | 15. myrcene            | 24. cis-limonene monoxide | 33. terpinene-4-ol               | 42. $\alpha$ -ionone |
| 7. ethanol            | 16. $\delta$ -limonene | 25. trans-limonene        | 34. neral                        | 43. d/l carveol      |
| 8. methylene chloride | 17. 1,8-cineole        | 26. furfural              | 35. o-terpineol                  | 44. $\beta$ -ionone  |
| 9. ethyl propionate   | 18. trans-2-hexenal    | 27. citronellal           | 36. neryl acetate                |                      |

Instrument	: GC
Column	: SH-PolarWax (60 m x 0.53 mm I.D., df = 0.50 $\mu$ m), P/N: 227-36255-02
Column temp.	: 70 °C (15 min) - 2 °C/min - 190 °C (5 min)
Inj. vol.	: 0.8 $\mu$ L split
Inj. temp.	: 220 °C
Split ratio	: 1:20
Carrier gas	: He, 20 cm/s linear velocity at 70 °C
Detector	: FID
Detector temp.	: 260 °C

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