Chromatography Solutions

Application note # C-13032

Fast Separation of Fragrance Allergens using the Avantor® Hichrom HI-1701 Phase

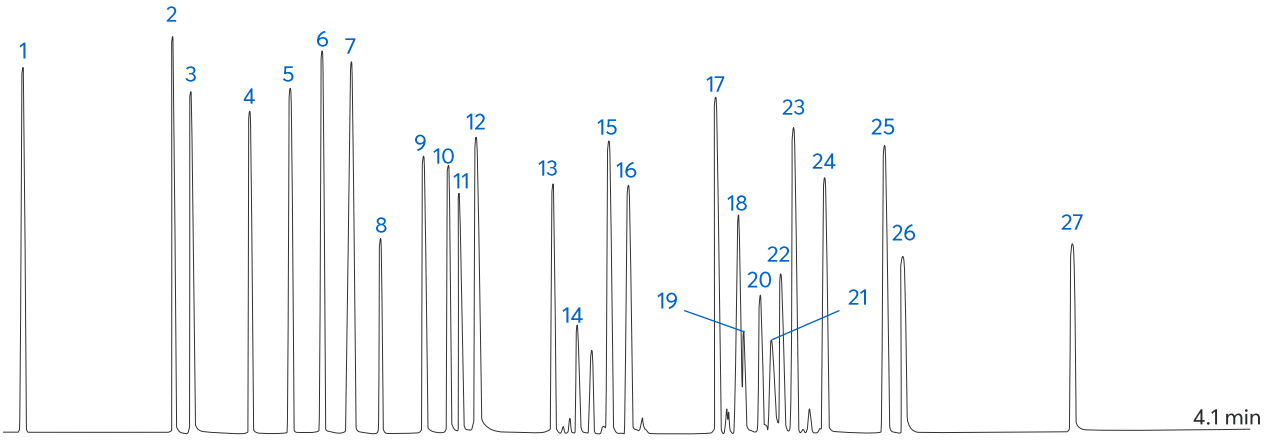

Figure 1: Fast separation of fragrance allergens using the Avantor® Hichrom HI-1701 phase.

Method Details

CONDITIONS

Oven Program:	50 °C (0.1 min), 50 °C/min, 250 °C (5 min)
Carrier Gas:	Hydrogen, 0.5 mL/min
Injector:	Split 230 °C, 0.5 µL 1:300 split ratio
Detector:	FID, 250 °C
Sample Dilution:	1% in cyclohexane

The HI-1701 is a mid-polarity phase with a crossbonded 14% cyanopropylphenyl, 86% methyl polysiloxane composition. It is well suited for a variety of applications including pesticides, residual solvents, allergens and essential oils.

PEAK IDENTIFICATION

1. Limonene
2. Linalool
3. Benzyl alcohol
4. Veratrol
5. Methyl 2-octanoate
6. Citronellol
7. Unknown
8. Neral
9. Geranial
10. Hydroxycitronellal
11. Eugenol
12. Anisole and Cinnamol
13. Alpha-Isomethyl ionone
14. Isoeugenol
15. Lilial
16. Coumarin
17. Amyl cinnamal
18. Lyral 1
19. Lyral 2
20. Farnesol 1
21. Farnesol 2
22. Farnesol 3
23. Amyl cinnamol
24. Hexyl cinnamal
25. Cinnamal
26. Benzyl salicylate
27. Benzyl cinnamate

ORDERING TABLE

Product	Details	Dimensions	Part Number
Avantor® Hichrom HI-1701	FAST GC Column	0.10 mm, 0.10 µm, 5 m	HI06-10-010-5

Avantor®