

# Organophosphate Pesticides using the Avantor<sup>®</sup> Hichrom HI-POF 1 Phase

- |                |                        |                     |
|----------------|------------------------|---------------------|
| 1. Trichlorfon | 8. Chlorpyrifos-methyl | 15. Quinalphos      |
| 2. Phosdrin    | 9. Parathion (peak 1)  | 16. Bromophos-ethyl |
| 3. Thionazin   | 10. Pirimiphos-methyl  | 17. Methidathion    |
| 4. Ethoprophos | 11. Chlorpyrifos       | 18. Ethion          |
| 5. Phorate     | 12. Malathion          | 19. Trithion        |
| 6. Fonofos     | 13. Parathion (peak 2) | 20. Azinphos-methyl |
| 7. Diazinon    | 14. Pirimiphos         | 21. Azinphos-ethyl  |

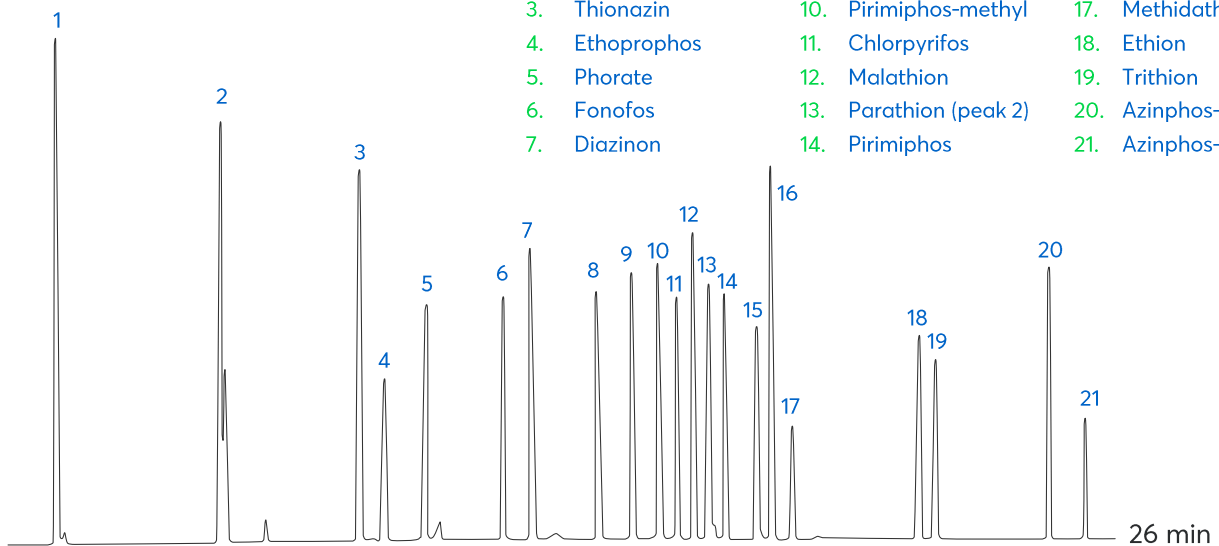


Figure 1: Separation of organophosphate pesticides using the HI-POF 1 phase

# Method Details

## CONDITIONS

Oven Program:	100 °C (1 min), 5.5 °C /min, 230 °C , 30 °C /min, 270 °C
Carrier Gas:	Hydrogen, 70 kPa
Injector:	Splitless, 240 °C
Detector:	FPD, 140 °C

The HI-POF 1 is a unique phase developed especially for the analysis of pesticides, herbicides and insecticides.

## ORDERING TABLE

Product	Details	Dimensions	Part Number
Avantor® Hichrom HI-POF 1	GC Column	0.32 mm, 0.25 µm, 30 m	HI55-32-025-30