

Application note # C-12999

Organophosphate Pesticides using the Avantor® Hichrom HI-1701 Phase

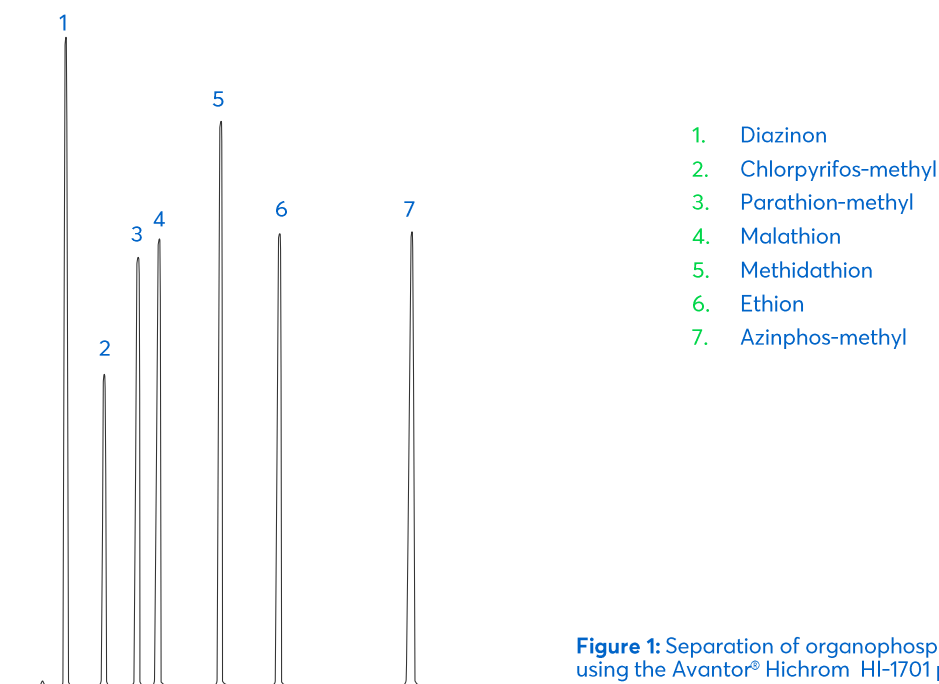


Figure 1: Separation of organophosphate pesticides using the Avantor® Hichrom HI-1701 phase.

Method Details

CONDITIONS

Oven Program:	160 °C (1 min), 5 °C/min, 250 °C
Carrier Gas:	Hydrogen, 60 kPa
Injector:	Split 250 °C, 1.0 µL, 1:20 Split Ratio
Detector:	FPD, 160 °C

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.

ORDERING TABLE

Product	Details	Dimensions	Part Number
Avantor® Hichrom HI-1701	GC Column	0.25 mm, 0.30 µm, 30 m	HI06-25-030-30

Acknowledgement: Prof. C.Bicchi, Dr. A. D'Amato et al. Università di Torino, Dipartimento di Scienza e Tecnologia del Farmaco, Via Pietro Giuria, 9, Torino, Italy.