

# SHINWA EXPRESS

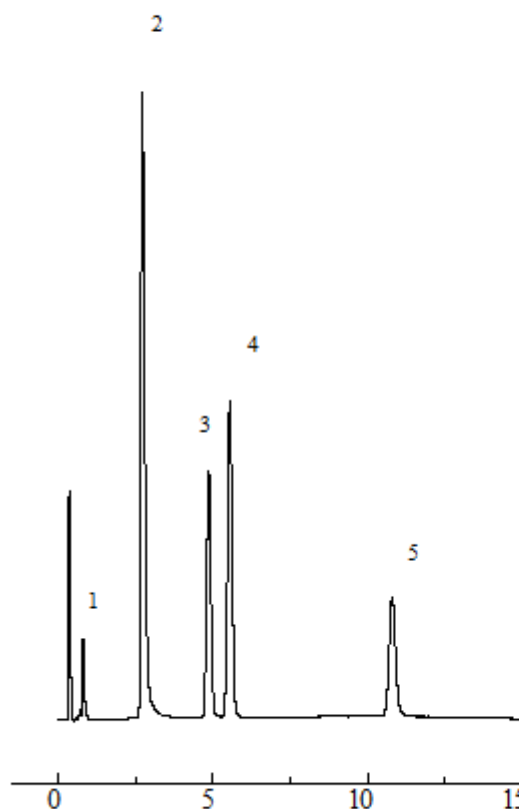
*Application*

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## Measurement of organophosphorus compounds using Shinwasorb

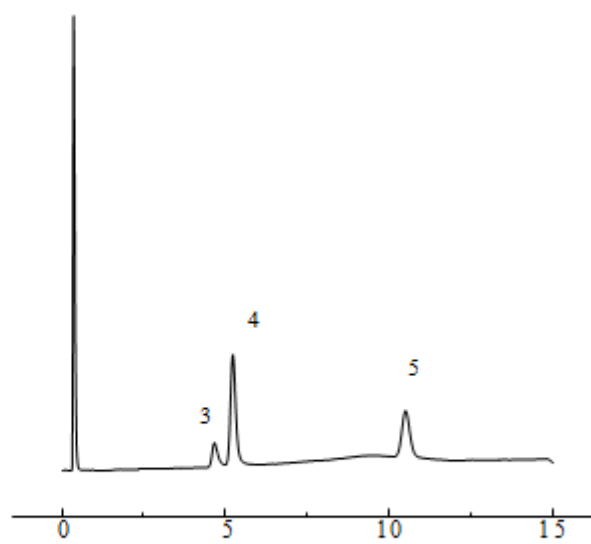
Organophosphorus compounds in this case indicate the four compounds EPN, methyldemeton, methyl parathion, and parathion. While all of these compounds are powerful insecticides, they are also highly toxic, with the result that their use is restricted or banned in many countries. Shown below is an example of an analysis of these four organophosphorus compounds using a column packed with a Shinwasorb packing material, and performed in accordance with Japan's "Testing methods for industrial wastewater" (JIS-K0102).

1% Silicone OV-17 Shinwasorb-S 60/80



1. Dichlorvos (DDVP)
2. Methyldemeton
3. Methyl Parathion
4. Parathion
5. EPN

2% Silicone OV-17 Chromosorb W 80/100 AW-DMCS



Column: 2.1 m x 3.2 mm I.D. Glass  
Sample: Organophosphorus compounds  
Carrier gas: 50 mL/min N<sub>2</sub>  
Injection port temp.: 260°C

Sample volume: 1 µL  
Column temp.: 180-250°C (8°C/min)  
Detector: FPD 260°C



**SHINWA CHEMICAL INDUSTRIES LTD.**

50-2 Kagekatsu-cho, Fushimi-ku  
Kyoto 612-8307 Japan  
TEL: +81-75-621-2360 FAX: +81-75-602-2660  
E-mail: [info@shinwa-cpc.co.jp](mailto:info@shinwa-cpc.co.jp)  
Website: <http://shinwa-cpc.co.jp/en/>

■ Packing material specifications and price ■

Product name	Weight	Price
1% Silicone OV-17 Shinwasorb-S 60/80	25 g	19,000 JPY

■ Packed column specifications and price ■

Product name	Column material	Dimensions	Price
1% Silicone OV-17 Shinwasorb-S 60/80	Glass	2.1 m x 3.2 mm I.D.	62,600 JPY

Prices for glass columns for Shimadzu GC-17A, GC-18A, GC-1700, and GC-2010 systems, and systems manufactured by other manufacturers will differ from that shown above. The prices shown above are accurate as of May 15th, 2014.  
 Feel free to contact us if you have particular analytical conditions you would like to use or if you have any questions related to analyses.



Please be aware that specifications and prices are subject to change without prior notification due to the implementation of improvements.