

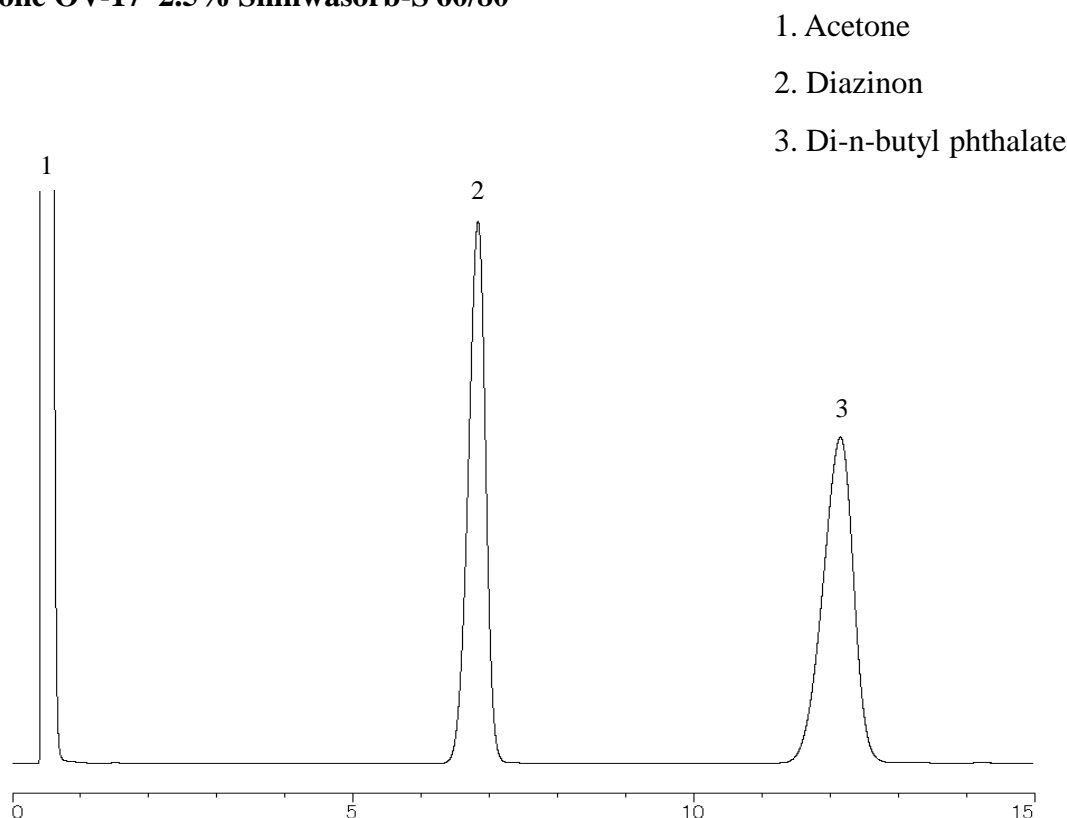
<h1>SHINWA EXPRESS</h1>	<i>Application</i>	VOL. 166
-------------------------	--------------------	----------

Analysis of diazinon using Shinwasorb

~Assay~

Shown below is an analysis of diazinon performed using a column packed with a Shinwasorb packing material in accordance with the Pesticide guidelines.

Silicone OV-17 2.5% Shinwasorb-S 60/80



Selection of column

Column performance: The resolution between diazinon and di-n-butyl phthalate is 8.2.

(Diazinon and di-n-butyl phthalate are eluted in this order with the resolution between these peaks being not less than 4.0.)

Column: 1.6 m x 3.2 mm I.D. Glass

Sample: Diazinon, Di-n-butyl phthalate in Acetone

Column temp.: 200°C

Carrier gas: 25 mL/min N₂ (Adjust so that the retention time of diazinon is about 7 minutes.)

Sample volume: 3.0 µL

Detector: FID 230°C

Injection port temp.: 230°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

Website: <https://shinwa-cpc.co.jp/en/>