# <u>Application</u> HINWA EXPRE

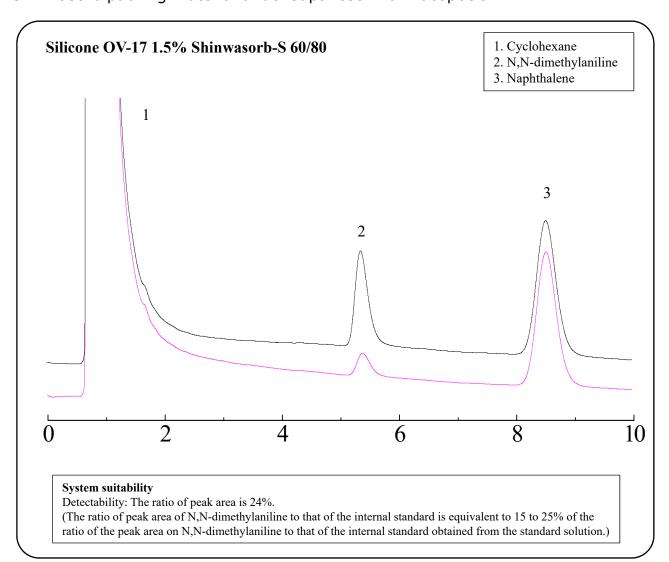
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## Analysis of ampicillin hydrate using Shinwasorb

Ampicillin hydrate is used as a penicillin antibiotic.

Shown below is an analysis of ampicillin hydrate using a column packed with a Shinwasorb packing material under Japanese Pharmacopoeia.



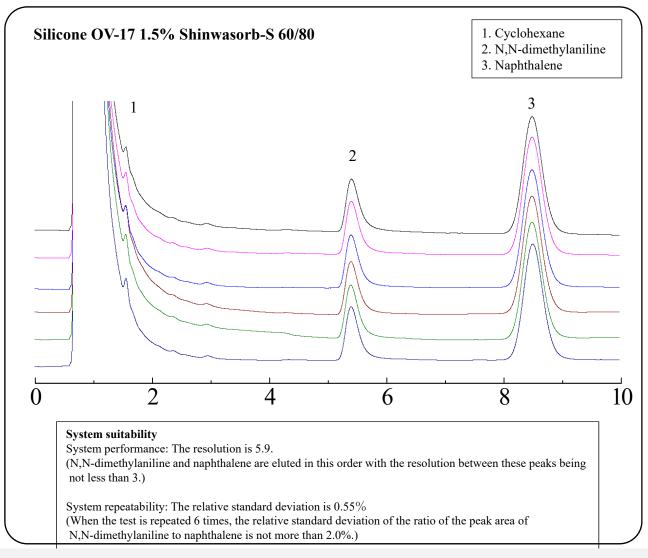
Column: 2.1 m x 2.6 mm I.D. Glass  $1.0~\mu L$ Sample volume: FID 200°C N,N-dimethylaniline, Naphthalene in Cyclohexane Sample: Detector: Column temp.: Injection port temp.: 200°C

Carrier gas: 20 mL/min He (adjust so that the retention time of N,N-dimethylaniline is about 5 minutes.)



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 Column:
 2.1 m x 2.6 mm I.D. Glass
 Sample volume:
 1.0 μL

 Sample:
 N,N-dimethylaniline, Naphthalene in Cyclohexane
 Detector:
 FID 200°C

 Column temp.:
 105°C
 Injection port temp.:
 200°C

Carrier gas: 20 mL/min He (adjust so that the retention time of N,N-dimethylaniline is about 5 minutes.)

#### ■ Packing material specifications and price ■

Product name	Weight	Price
Silicone OV-17 1.5% Shinwasorb-S 60/80	25 g	19,000 JPY

### ■ Packed column specifications and price ■

Product name	Column material	Dimensions	Price
Silicone OV-17 1.5% Shinwasorb-S 60/80	Glass (For GC-2014 systems)	2.1 m x 2.6 mm I.D.	62,900 JPY

Prices for glass columns for Shimadzu systems other than the GC-2014, and systems manufactured by other manufacturers will differ from that shown above. The prices shown above are applicable as of December  $22^{nd}$ , 2017. Please contact us for pricing.

#### Please feel free to contact us with questions related to analyses.

Please be aware that specifications and prices are subject to change without prior notification.