

SHINWA EXPRESS

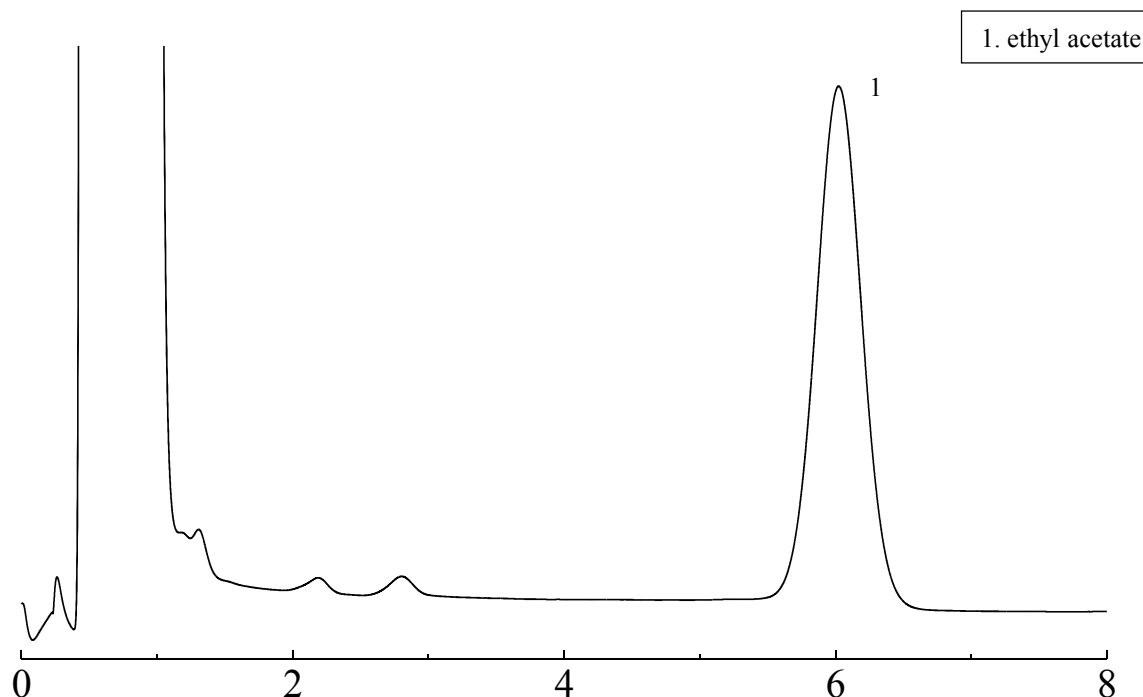
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Analysis of sultamicillin tosilate hydrate using Sunpak-H

Sultamicillin tosilate hydrate which is a beta-lactamase inhibitor is extensively used as stable penicillin antibiotic. Shown below is an example of an analysis of sultamicillin tosilate hydrate using a column packed with a Sunpak-H packing material under Japanese Pharmacopoeia.

Sunpak-H 80/100



System suitability

Column performance: The number of theoretical plates for the peak of ethyl acetate is 1445.

The symmetry coefficient is 1.04.

(The number of theoretical plates for the peak of styrene not less than 500, the symmetry coefficient not more than 1.5 are acceptable.)

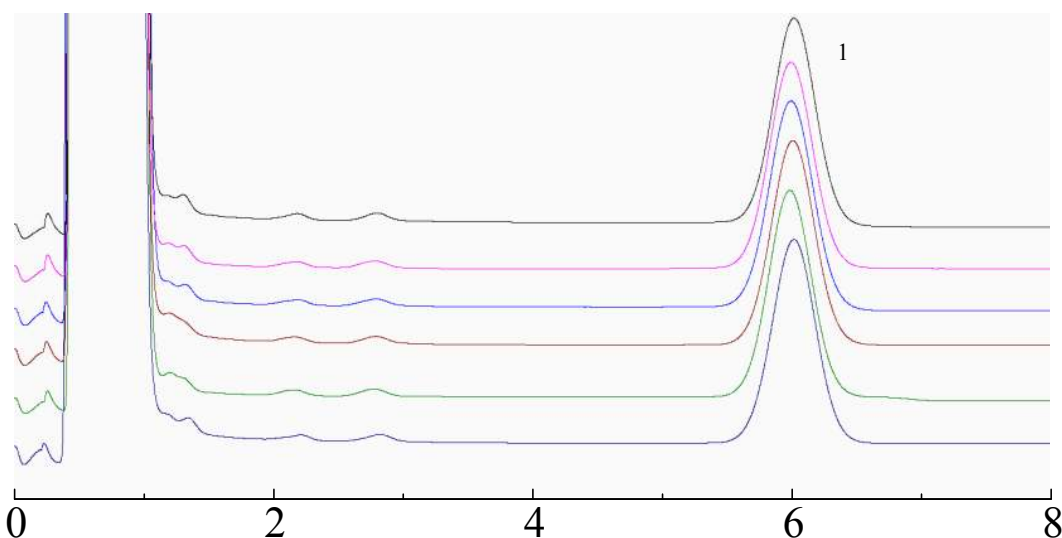
Column: 1.1 m x 3.2 mm I.D. Glass
Sample: ethyl acetate
Column temp.: 130°C
Injection port temp.: 200°C

Sample volume: 1.0 µL
Carrier gas: 34 mL/min N₂
Detector: FID 200°C

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Sunpak-H 80/100



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Column performance: The number of theoretical plates for the peak of ethyl acetate is 1445.

The symmetry coefficient is 1.04.

(The number of theoretical plates for the peak of styrene not less than 500, the symmetry coefficient not more than 1.5 are acceptable.)

Column performance: relative standard deviation for rate of peak area is 1.75%.

(The relative standard deviation of the ratio of the sum of the peak areas not more than 5.0% is acceptable in 6 times of the tests.)

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Injection port temp.: 200°C

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Carrier gas: 34 mL/min N₂
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■ Packed column specifications and price ■

Product name	Column material	Dimensions	Price
Sunpak-H 80/100	Glass (For GC-2014 systems)	1.1 m x 3.2 mm I.D.	90,200 JPY

Prices for stainless columns other than for Shimadzu GC systems will differ from that shown above. The prices shown above are accurate as of November 24th, 2016. 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.