

SHINWA EXPRESS

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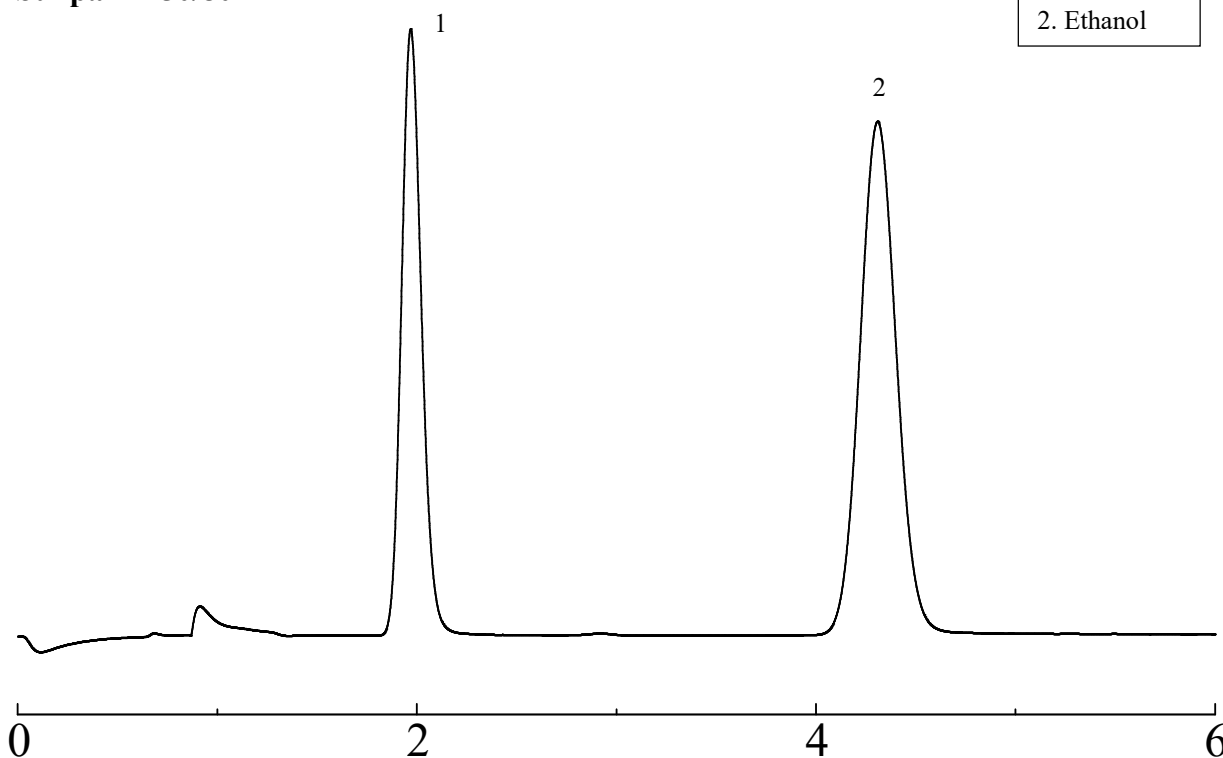
VOL. 134

Analysis of etidronate disodium using Sunpak-A

~Purity test (4) Methanol~

Etidronate disodium is used as a medicine for osteoporosis. Shown below is an analysis of etidronate disodium performed using a column packed with a Sunpak-A packing material and in accordance with the Japanese Pharmacopoeia.

Sunpak-A 50/80

**System suitability**

System performance: The resolution is 9.0

(Methanol and ethanol are eluted in this order with the resolution between these peaks being not less than 2.0.)

Column: 2.1m x3.2 mm I.D. Glass

Injection port temp.: 200°C

Sample: Methanol in ethanol

Carrier gas: 30 mL/min N₂ (Adjust so that the retention time of methanol is about 2 minutes.)

Column temp.: 130°C

Detector: 200°C (FID)

Sample volume: 1.0 µL

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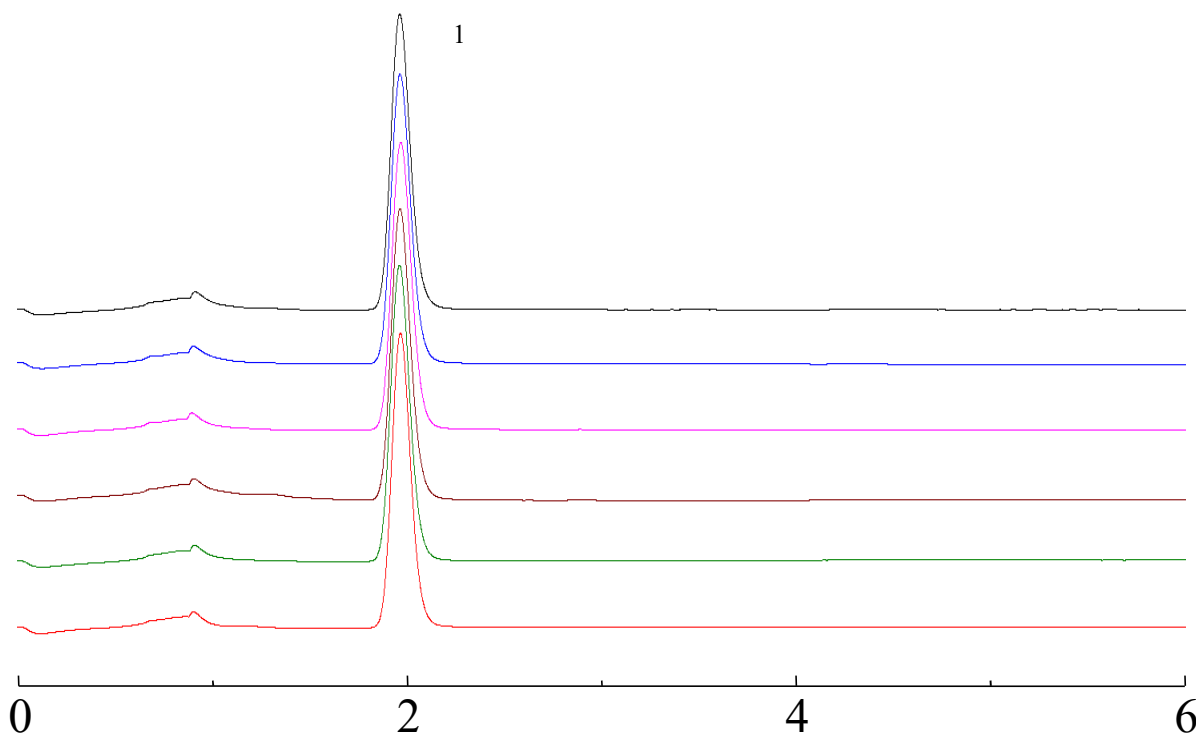
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Sunpak-A 50/80

1. Methanol



System repeatability: The relative standard deviation is 1.04%
(When the test is repeated 6 times, the relative standard deviation of the peak area of methanol is not more than 5.0%)

Column: 2.1 m x 3.2 mm I.D. Glass

Injection port temp.: 200°C

Sample: Methanol

Carrier gas: 30 mL/min N₂ (Adjust so that the retention time of methanol is about 2 minutes.)

Column temp.: 130°C

Detector: 200°C (FID)

Sample volume: 1.0 µL

■ Packing material specifications and price ■

Product name	Weight	Price
Sunpak-A 50/80	50 mL	23,000 JPY

■ Packed column specifications and price ■

Product name	Column material	Dimensions	Price
Sunpak-A 50/80	Glass (For GC-2014 systems)	2.1 m x 3.2 mm I.D.	62,600 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 June 22nd, 2018. 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.