

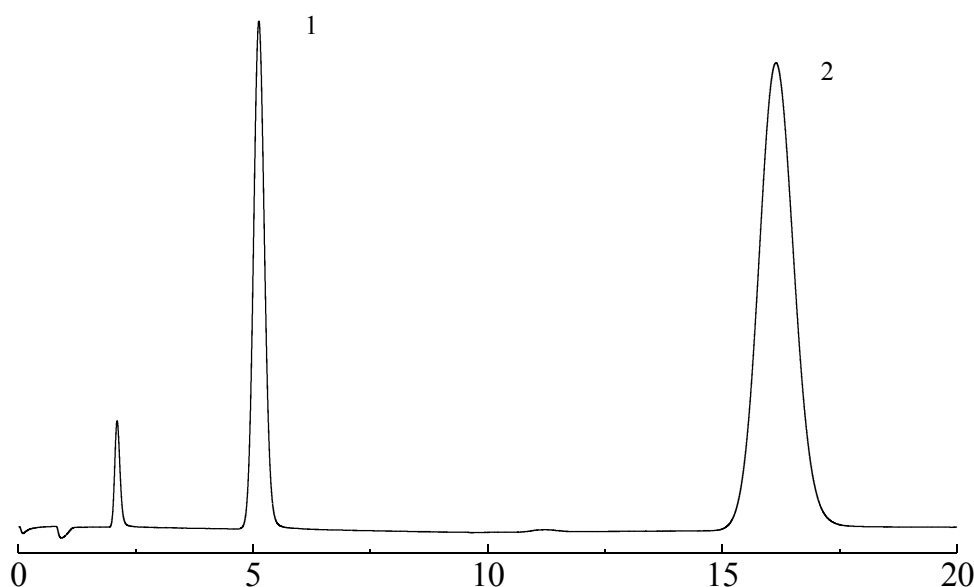
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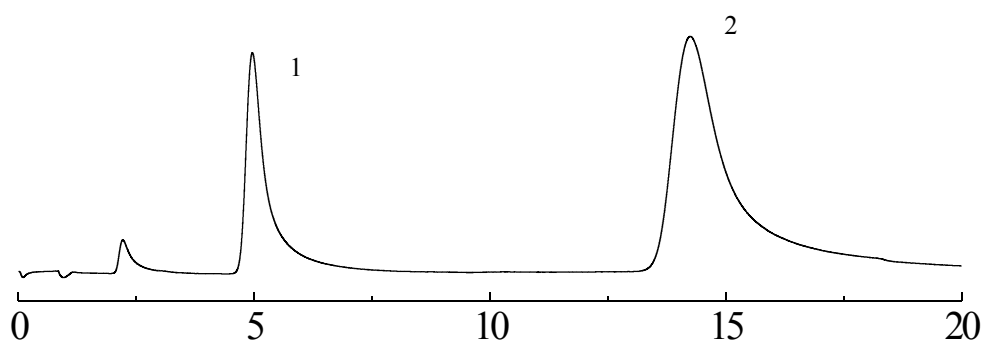
Analysis of doxycycline hydrochloride hydrate using Sunpak-A

Doxycycline hydrochloride hydrate is a medicine used for superficial infection of the skin, pharyngitis and laryngitis. Shown below is an example of an analysis of doxycycline hydrochloride hydrate using a column packed with a Sunpak-A packing material compared with a column packed with a Porapak-Q under Japanese Pharmacopoeia.

Sunpak-A 80/100

1. ethanol
2. 1-propanol

Column performance:
resolution 12.0
(Over 2 is acceptable.)

Porapak-Q 80/100

1. ethanol
2. 1-propanol

Column performance:
resolution 8.1
(Over 2 is acceptable.)

Column: 1.6 m x 3.2 mm I.D. Glass
Sample: ethanol (solvent), 1-propanol
Column temp.: 115°C (Sunpak-A) / 125°C (Porapak-Q)
Injection port temp.: 200°C

Sample volume: 1.0 µL
Carrier gas: 30 mL/min N₂ (Sunpak-A)
Carrier gas: 33 mL/min N₂ (Porapak-Q)
Detector: FID 200°C

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■ Packing material specifications and price ■

Product name	Weight	Price
Sunpak-A 80/100	25 g	31,200 JPY

*Please note that Sunpak-A 80/100 mesh is only available as packed columns.

■ Packed column specifications and price ■

Product name	Column material	Dimensions	Price
Sunpak-A 80/100	Glass (For GC-2014 systems)	1.6 m x 3.2 mm I.D.	66,700 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 September 23rd, 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.