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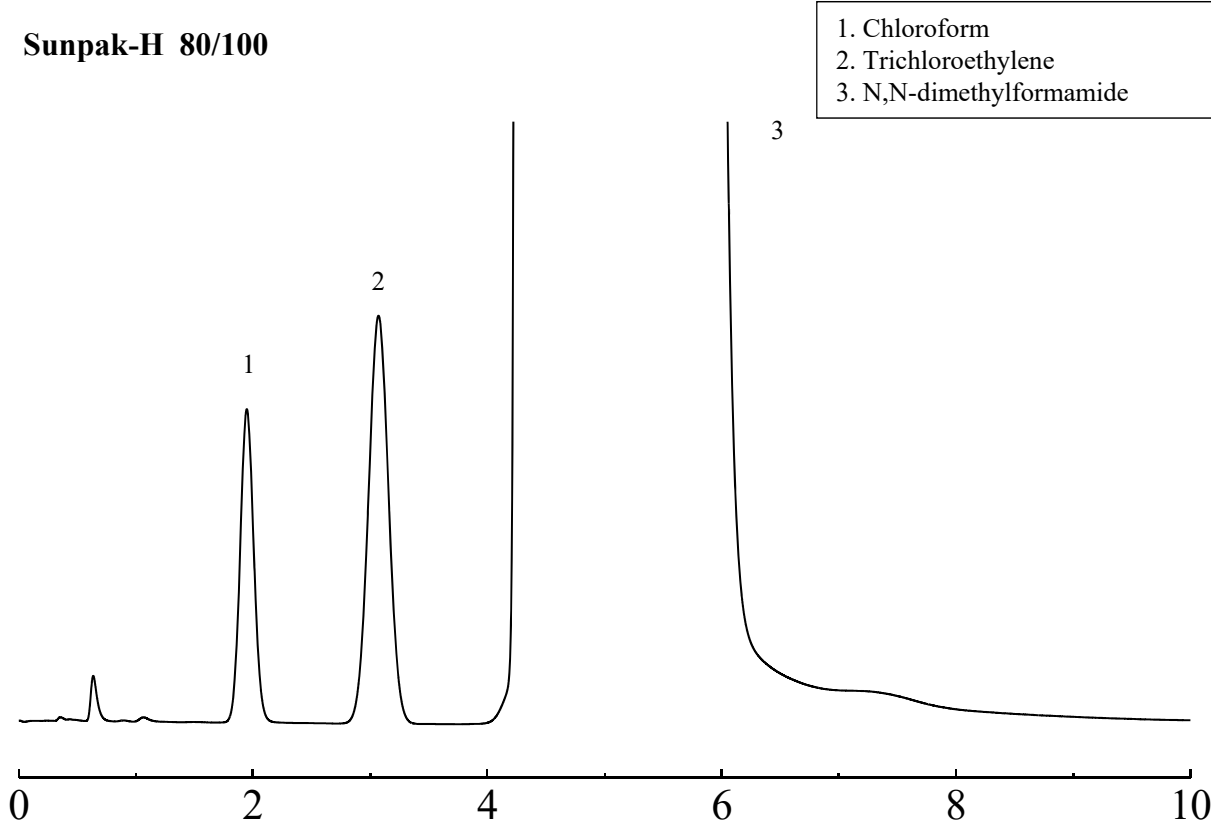
## Analysis of tranilast using Sunpak-H

~ Purity test (3) Chloroform ~

Tranilast has an inhibitory effect on allergic symptoms and used in treatment of allergy diseases. It is versatile medicine used for dermatological diseases such as Keloid as well.

Shown below is an example of an analysis of tranilast using a column packed with a Sunpak-H packing material under Japanese Pharmacopoeia.

### Sunpak-H 80/100



Column performance: resolution 4.2  
(The resolution between chloroform and trichloroethylene being not less than 3.)

Column: 1.1 m x 3.2 mm I.D. Glass  
Sample: Chloroform, Trichloroethylene, N,N-dimethylformamide  
Column temp.: 160  
Injection port temp.: 200  
Carrier gas: 45 mL/min N (Adjust so that the retention time of chloroform is about 2 minutes.)

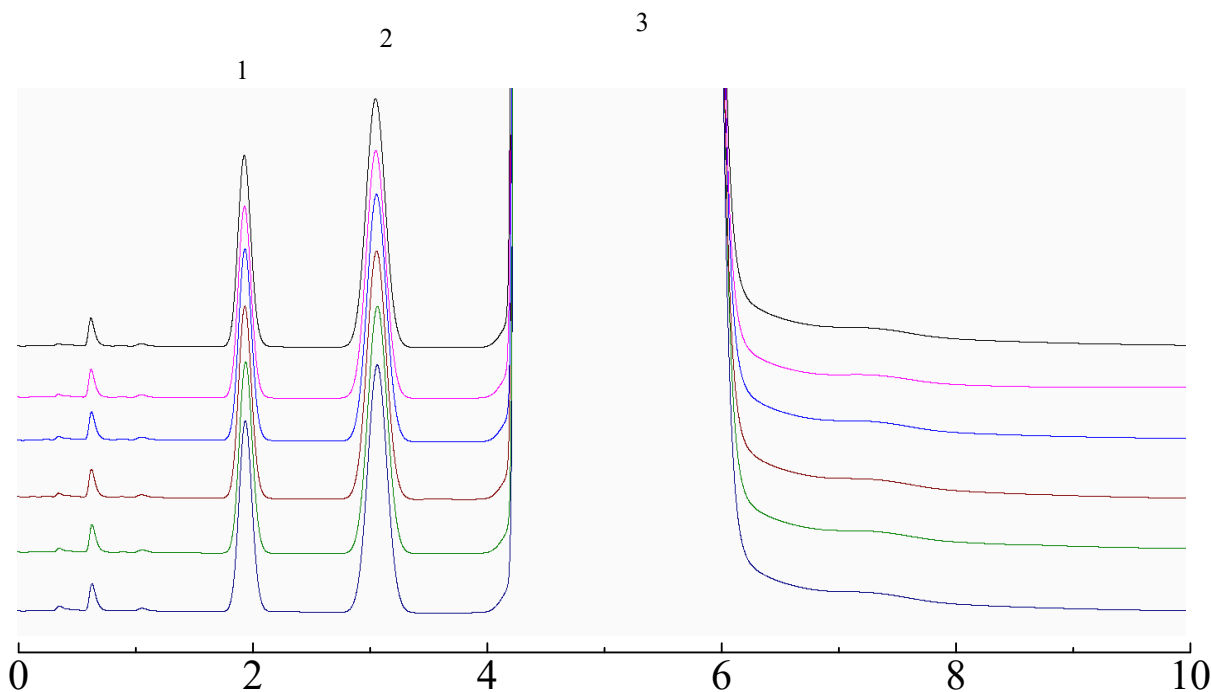
Sample volume: 1.0 µL  
Detector: FID 200

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## Sunpak-H 80/100

1. Chloroform
2. Trichloroethylene
3. N,N-dimethylformamide



### System suitability

System performance: The resolution between chloroform and trichloroethylene is 4.2.  
(Chloroform and trichloroethylene are eluted in this order with the resolution between these peaks being not less than 3.)

System repeatability: The relative standard deviation is 0.38%  
(When the test is repeated 6 times, the relative standard deviation of the ratio of the peak area of chloroform to trichloroethylene is not more than 1.0%.)

Column:	1.1 m x 3.2 mm I.D. Glass	Sample volume:	1.0 µL
Sample:	Chloroform, Trichloroethylene, N,N-dimethylformamide		
Column temp.:	160	Detector:	FID 200
Injection port temp.:	200		
Carrier gas:	45 mL/min N <sub>2</sub> (Adjust so that the retention time of chloroform is about 2 minutes.)		

### 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 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<sup>nd</sup>, 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.