

# SHINWA EXPRESS

*Application*

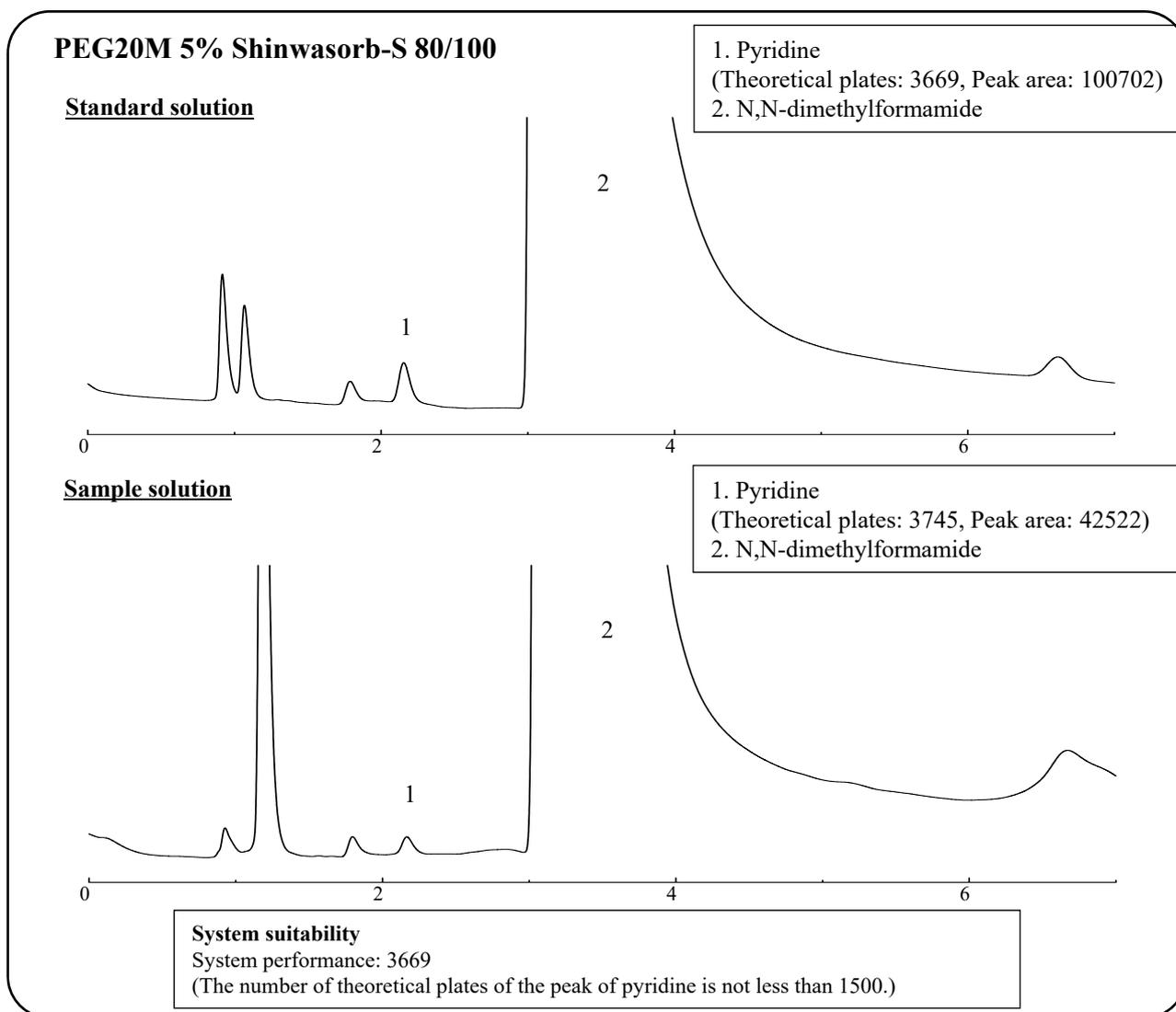
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## Analysis of niceritrol using Shinwasorb

~Purity (4) Pyridine System suitability~

Niceritrol is used as a remedy for hyperlipidemia and peripheral circulatory disturbance. Shown below is an analysis of niceritrol performed using a column packed with a Shinwasorb packing material and in accordance with the Japanese Pharmacopoeia.



Column: 3.1 m x 3.2 mm I.D. Glass  
Sample: Pyridine in N,N-dimethylformamide  
Column temp.: 160°C  
Injection port temp.: 200°C  
Carrier gas: 55 mL/min N<sub>2</sub> (adjust so that the retention time of pyridine is about 2 minutes.)

Sample volume: 2.0 µL  
Detector: FID 200°C

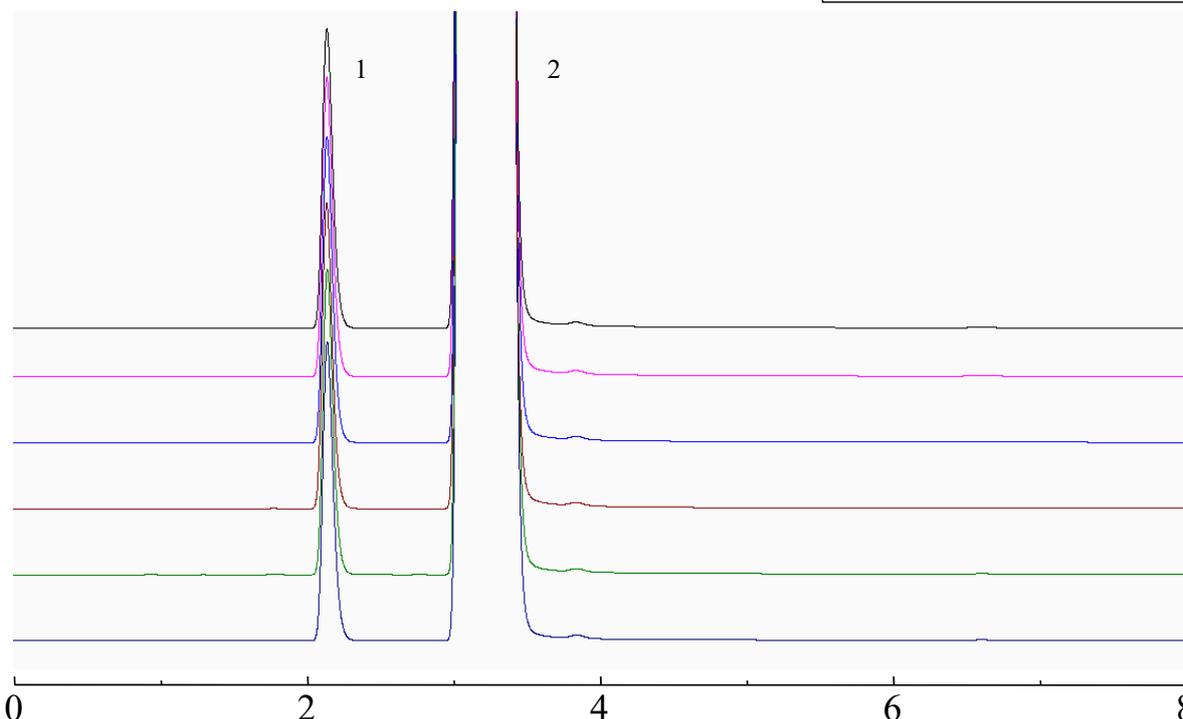


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**PEG20M 5% Shinwasorb-S 80/100**

1. Pyridine  
2. N,N-dimethylformamide



**System suitability**

System performance: The number of theoretical plates is 4243.  
(The number of theoretical plates of the peak of pyridine is not less than 1500.)

System repeatability: The relative standard deviation is 0.1%  
(When the test is repeated 6 times, the relative standard deviation of the peak areas of pyridine is not more than 3.0%.)

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Detector: FID 200°C

■ Packing material specifications and price ■

Product name	Weight	Price
PEG20M 5% Shinwasorb-S 80/100	25 g	18,500 JPY

■ Packed column specifications and price ■

Product name	Column material	Dimensions	Price
PEG20M 5% Shinwasorb-S 80/100	Glass (For GC-2014 systems)	3.1 m x 3.2 mm I.D.	63,900 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 July 24<sup>th</sup>, 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.