<u>Application</u> INWA EXPRESS

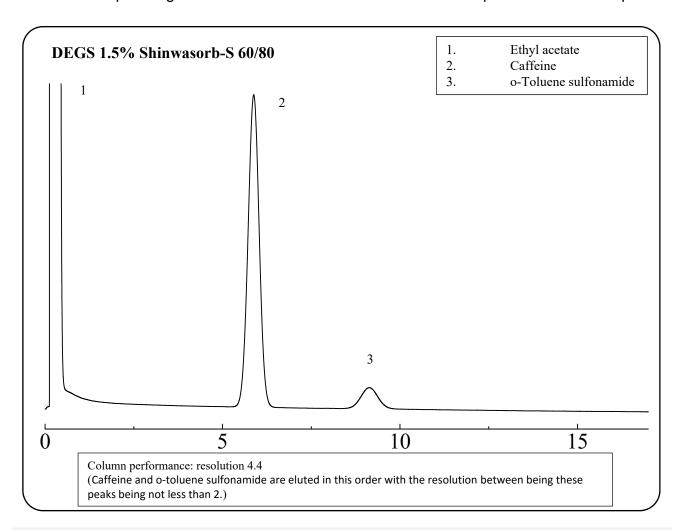
2017 February

VOL. 102

Analysis of saccharin using Shinwasorb

Saccharin is an artificial sweetener which is approximately 500 times as sweet as sucrose, but it is a low calorie sweetener and used for diet, etc.

Shown below is an analysis of saccharin performed using a column packed with a Shinwasorb packing material and in accordance with the Japanese Pharmacopoeia.



Column: 1.0 m x 3.0 mm I.D. Glass

Sample: Ethyl acetate, Caffeine, o-Toluene sulfonamide

Column temp.: 210 Injection port temp.: 225

Carrier gas:

55 mL/min N (adjust so that the retention time of caffeine is about 6 minutes.)



50-2 Kagekatsu-cho, Fushimi-ku Kyoto 612-8307 Japan

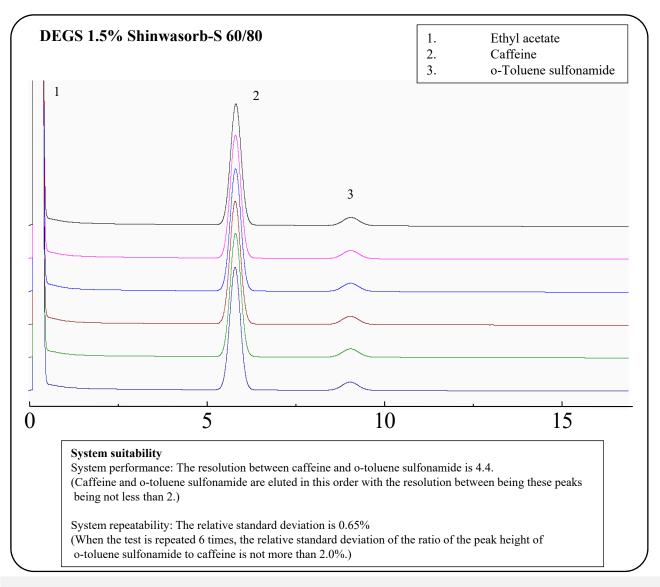
Sample volume: 1.0 µL

Detector:

TEL: +81-75-621-2360 FAX: +81-75-602-2660

FID 250

E-mail: info@shinwa-cpc.co.jp Website: http://shinwa-cpc.co.jp/en/



Column: 1.0 m x 3.0 mm I.D. Glass Sample volume: $1.0 \mu L$ Sample: Ethyl acetate, Caffeine, o-Toluene sulfonamide Detector: FID 250

Column temp.: 210 Injection port temp.: 225

Carrier gas: 55 mL/min N (adjust so that the retention time of caffeine is about 6 minutes.)

Packing material specifications and price

Product name	Weight	Price
DEGS 1.5% Shinwasorb-S 60/80	25 g	15,100 JPY

Packed column specifications and price

Product name	Column material	Dimensions	Price
DEGS 1.5% Shinwasorb-S 60/80	Glass (For GC-2014 systems)	1.0 m x 3.0 mm I.D.	51,500 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 February 24th, 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.