GC Products

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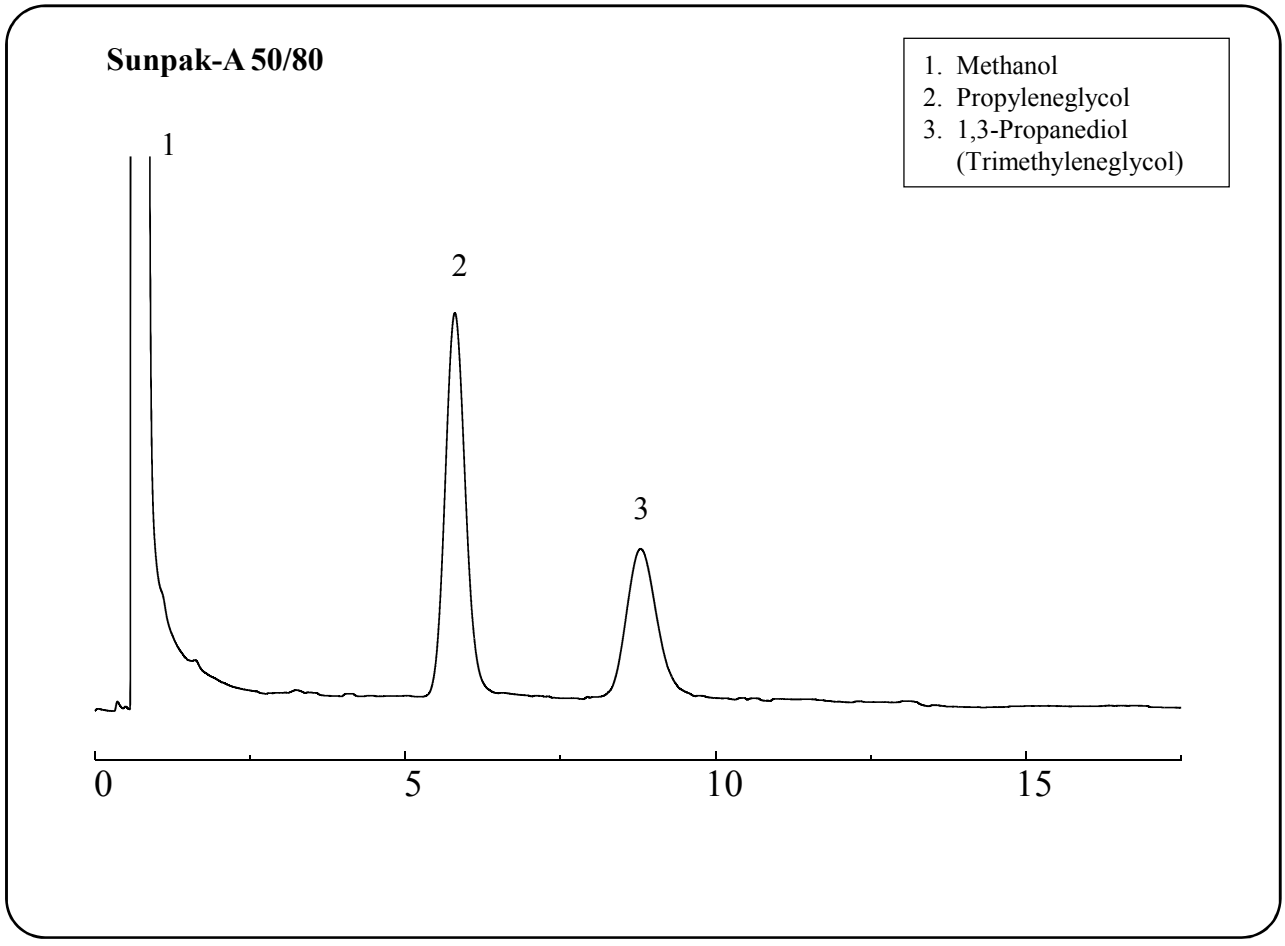
Measurement of food additives using Sunpak-A

The toxicities of food additives are determined in accordance with safety tests in many countries around the world. However, propyleneglycol, a commonly used food additive, is said to cause chromosomal mutations and kidney and liver dysfunction when consumed in large quantities.
Shown below is an example of an analysis of propyleneglycol using a column packed with Shinwa Chemical Industries' original packing material Sunpak-A in place of the Chromosorb Century Series 101 packing material.



Column:	2.1 m x 3.2 mm I.D. Glass	Sample volume:	1.0 μL
Sample:	Propyleneglycol, 1,3-propanediol	Column temp.:	180℃
Carrier gas:	50 mL/min N_2	Detector:	FID 230℃
Injection port temp.:	200℃		

SHINWA CHEMICAL INDUSTRIES LTD.
50-2 Kagekatsu-cho, Fushimi-ku
Kyoto 612-8307 Japan
TEL: +81-75-621-2360 FAX: +81-75-602-2660
E-mail: info@shinwa-cpc.co.jp
Website: http://shinwa-cpc.co.jp/en/

■Packing material specifications and price■

Product name	Volume	Price
Sunpak-A 50/80 (S-98)	50 mL	20,800 JPY

■Packed column specifications and price■

Product name	Column material	Dimensions	Price
Sunpak-A 50/80 (ZS-72)	Glass (For GC-2014 systems)	2.1 m x 3.2 mm I.D.	59,400 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 accurate as of March 24th, 2015. 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.