

# Sangju Ganmao Tablets (*Sangju Ganmao Pian*) – 桑菊感冒片

## Sample source

Commercially available Sangju Ganmao Tablets

## Chemical reference substances

forsythin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110821-200305)

## Preparation of test solution

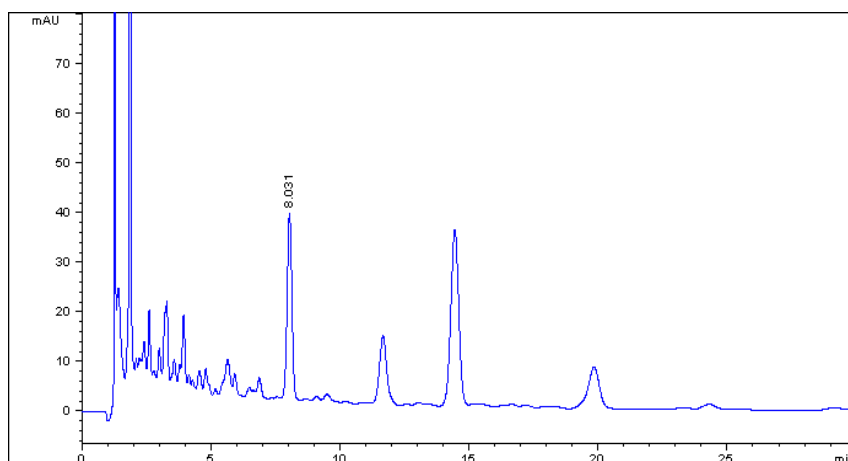
Weigh accurately 20 tablets, removed sugar coats, pulverize to fine powder. Weigh accurately 2 g of the powder in a stopper conical flask, add accurately 25 ml of methanol, stopper tightly and weigh, ultrasonicate for 30 minutes, allow to cool, weigh again, replenish the lost weight with methanol, mix well and filter. Exactly measure 5 ml of the successive filtrate, evaporate to dryness, dissolve the residue in 20 ml of water, extract with five 20-ml quantities of chloroform, combine the chloroform extracts, evaporate to dryness, dissolve the residue in 50% methanol, and transfer to a 5 ml volumetric flask, dilute with 50% methanol to volume, shake well. Centrifuge, use the supernatant as the test solution.

## Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 25 °C
- Mobile phase: acetonitrile-water (25:75)
- Detector wavelength: 230 nm
- Flow rate: 1.0 ml/min
- Injection volume: 10 µl

## Chromatographic system

- Agilent 1200 Series quaternary pump with vacuum degasser
- Agilent 1200 Series high-performance autosampler
- Agilent 1200 Series thermostated column compartment
- Agilent 1200 Series variable wavelength detector
- System control through Agilent ChemStation revision B.01.01



Components	k'	Ret Time (min)	Height (mAU)	Area (mAU*s)	n	USP T <sub>r</sub>
Forsythin	4.354	8.031	37.73	487.4	9249	0.97