

Jinsang Sanjie Pills (*Jinsang Sanjie Wan*) – 金嗓散结丸

Sample source

Commercially available Jinsang Sanjie Pills

Chemical reference substances

Chlorogenic acid (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110753-200212)

Preparation of test solution

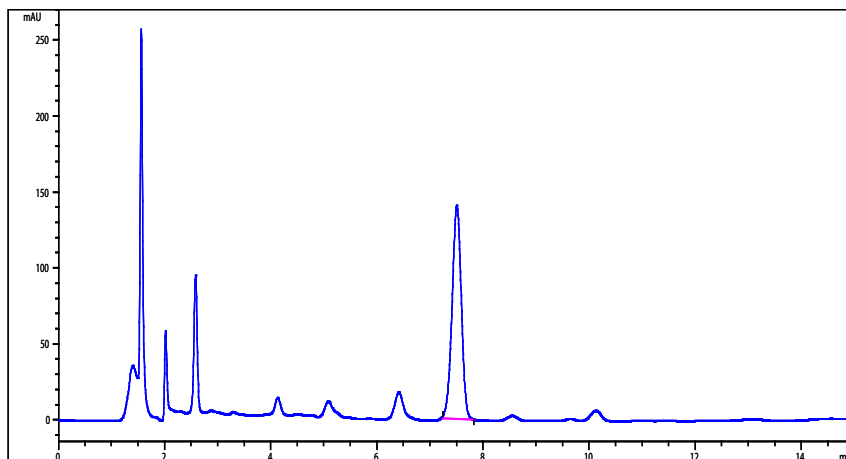
Grind a quantity of the pills to a fine powder, accurately weigh 0.4 g in a stoppered conical flask, accurately add 10 mL of 50 % methanol, stopper tightly, and weigh. Treat ultrasonically for 30 minutes, allow to cool, weigh again, replenish the lost weight with 50 % methanol, mix well, filter through a millipore membrane (0.45 μm), and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6 \times 150 mm, 5 μm (883975-902)
- Column temperature: 35 $^{\circ}\text{C}$
- Mobile phase: acetonitrile-0.4% phosphoric acid (13:87)
- Detector wavelength: 330 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 _r
Chlorogenic acid	5.257	7.508	140.74	1708.3	9023	0.95