

Jinsang Liyan Pills (*Jinsang Liyan Wan*) – 金嗓利咽丸

Sample source

Commercially available Jinsang Liyan Pills

Chemical reference substances

1. Magnolol, 2. Honokiol (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 1. 110729-200308, 2.110730-9204)

Preparation of test solution

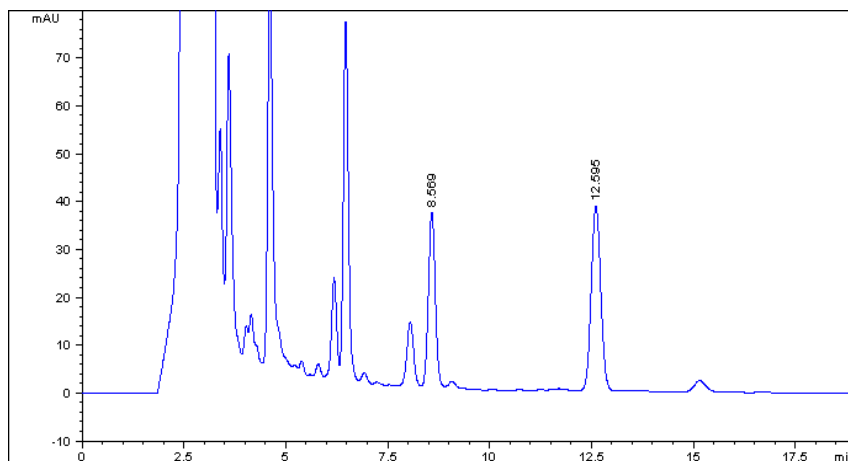
Grind 8 g of pills to a fine powder, accurately weigh 1.5 g in a stoppered conical flask, accurately add 25 mL of methanol, stopper tightly, and weigh. Treat ultrasonically for 30 minutes, allow to cool, weigh again, replenish the lost weight with methanol, and mix well. Filter through a millipore membrane (0.45 μm) and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX XDB C18, 4.6 \times 250 mm, 5 μm (990967-902)
- Column temperature: 25 $^{\circ}\text{C}$
- Mobile phase: methanol-water (76.5:23.5)
- Detector wavelength: 291 nm
- Flow rate: 0.9 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
Honokiol	2.085	8.569	36.45	425.2	12614	1.05
Magnolol	3.534	12.595	38.49	621.4	14068	1.05