

Xiangsha Yangwei Pills (*Xiangsha Yangwei Wan*) – 香砂养胃丸

Sample source

Commercially available Xiangsha Yangwei Pills

Chemical reference substances

1. Magnolol, 2. Honokiol (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 1.0729-200308, 2.730-9204)

Preparation of test solution

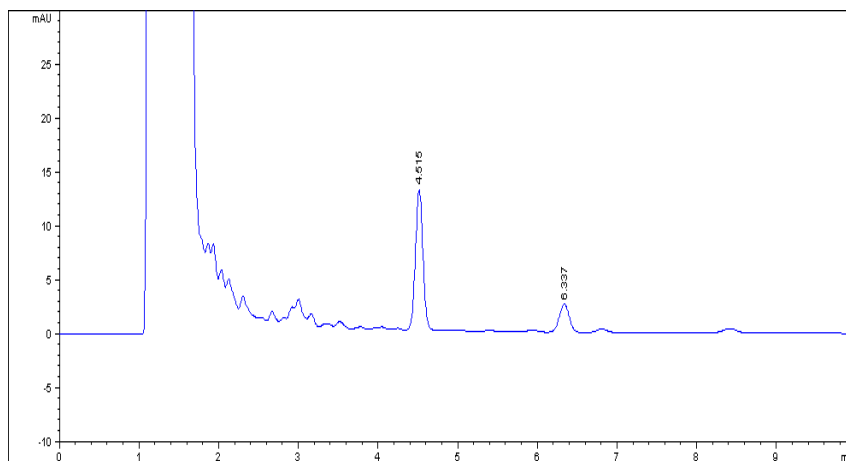
Grind a quantity of the pills to a fine powder, accurately weigh 2.5 g of the powder in a Soxhlet extractor, heat under reflux with a quantity of methanol for 3 hours and evaporate the extract to dryness. Dissolve the residue in methanol, transfer to a 25 mL volumetric flask, dilute with methanol to volume. Mix well, filter and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 25 °C
- Mobile phase: methanol-water-glacial acetic acid (60:38:2)
- Detector wavelength: 294 nm
- Flow rate: 1.0 mL/min
- Injection volume: 5 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 diode-array detector
- System control through Agilent ChemStation revision B.01.01



Components	k'	Ret Time (min)	Height (mAU)	Area (mAU's)	n	USP T _r
Magnolol	2.762	4.515	13.02	85.2	11293	1.03
Honokiol	4.281	6.337	2.58	22.1	12513	0.99