

Xiangsha Zhizhu Pills (*Xiangsha Zhizhu Wan*) – 香砂枳术丸

Sample source

Commercially available Xiangsha Zhizhu Pills

Chemical reference substances

Hesperidin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 110721-200211)

Preparation of test solution

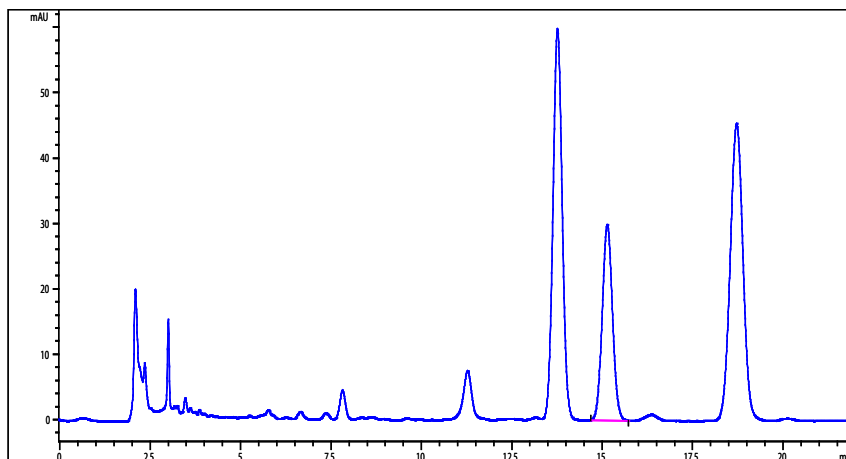
Grind a quantity of the pills to a fine powder, accurately weigh 0.3 g, accurately add 50 mL of methanol, heat under reflux on a water bath for 1 hour, allow to cool, weigh again, replenish the lost weight with methanol, mix well, filter. Accurately measure 5 mL of the filtrate in a 25 mL volumetric flask, dilute with methanol to volume, and mix well.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×250 mm, 5 µm (880975-902)
- Column temperature: 20 °C
- Mobile phase: acetonitrile-0.3 % phosphoric acid (20:80)
- Detector wavelength: 283 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
Hesperidin	5.056	15.14	29.96	594.8	13803	1.04