

Sizheng Pills (*Sizheng Wan*) – 四正丸

Sample source

Commercially available Sizheng Pills

Chemical reference substances

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

Preparation of test solution

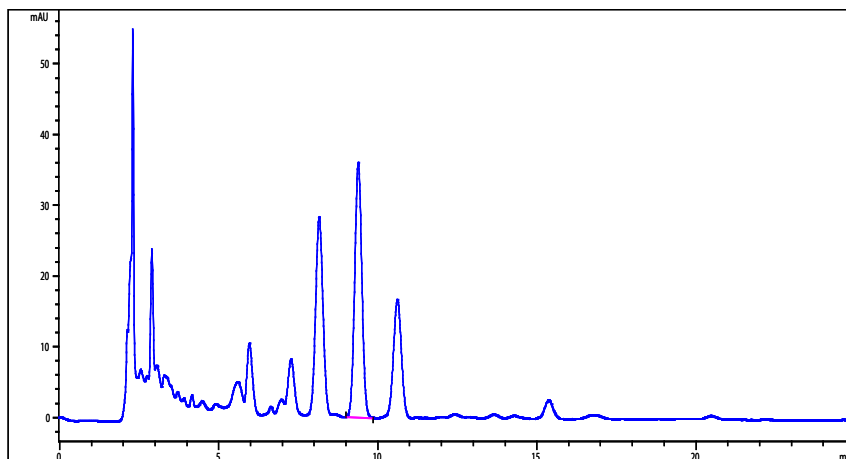
Cut the pills into pieces, accurately weigh 2 g in a stoppered conical flask, accurately add 50 mL of methanol, stopper tightly and weigh, treat ultrasonically for 45 minutes. Allow to cool, weigh again, replenish the lost weight with methanol, mix well, filter through a millipore membrane (0.45 μm) 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: 40 $^{\circ}\text{C}$
- Mobile phase: methanol-0.5% acetic acid (39:61)
- Detector wavelength: 283 nm
- Flow rate: 1.0 mL/min
- Inject 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	2.754	9.385	36.00	565.0	8317	1.02