

Renshen Yangrong Pills (*Renshen Yangrong Wan*) – 人參養榮丸

Sample source

Commercially available Renshen Yangrong Pills

Chemical reference substances

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

Preparation of test solution

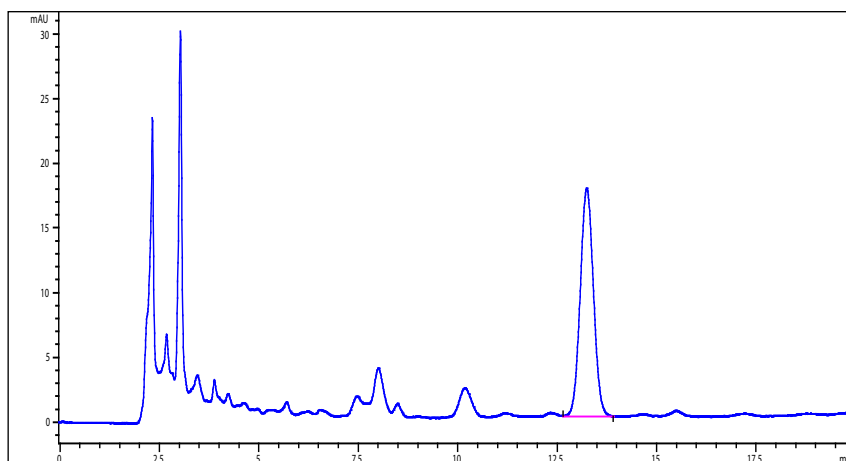
Cut the pills into pieces, accurately weigh 0.8 g in a stoppered conical flask, accurately add 50 mL of methanol, stopper tightly and weigh. Treat ultrasonically for 60 minutes, allow to cool, weigh again, replenish the lost weight with methanol, shake well, and filter through a millipore membrane (0.45 μm), use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6 \times 250 mm, 5 μm (880975-902)
- Column temperature: 25 $^{\circ}\text{C}$
- Mobile phase: methanol-0.11% acetic acid (40:60)
- Detector wavelength: 238 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	4.332	13.33	16.75	396.5	7322	1.01