

Juhong Pills (*Juhong Wan*) – 橘红丸

Sample source

Commercially available Juhong Pills

Chemical reference substances

naringin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110722-200309)

Preparation of test solution

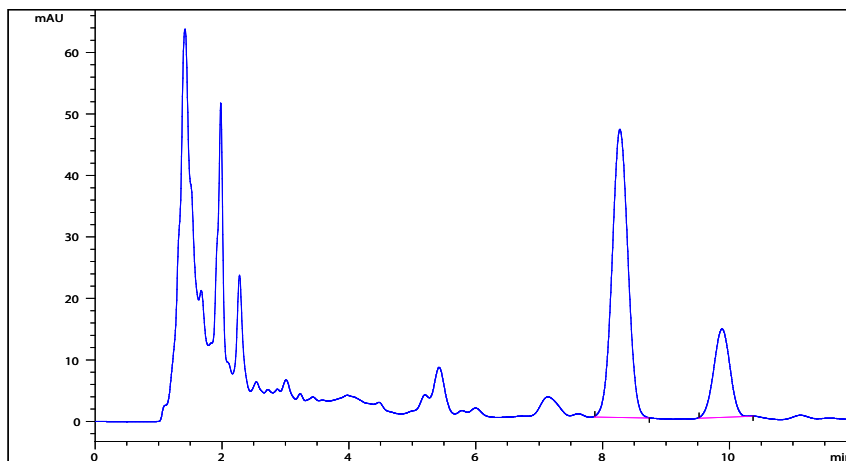
Grind a quantity of pills to a powder, accurately weigh 0.4 g of the powder in a 10 mL volumetric flask, accurately add 10 mL of the mobile phase, stopper tightly and weigh. Treat ultrasonically for 30 minutes, allow to cool. Weigh again and replenish the lost weight with the mobile phase, mix well, filter, use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 35 °C
- Mobile phase: methanol-acetic acid-water (33:2:65)
- Detector wavelength: 283nm
- 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 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
Naringin	5.894	8.273	46.87	811.2	5322	1.01