

Huixiang Juhe Pills (*Huixiang Juhe Wan*) – 茴香橘核丸

Sample source

Commercially available Huixiang Juhe Pills

Chemical reference substances

1. Psoralen, 2. Isopsoralen (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 1. 110739-200309, 2. 110738-200309)

Preparation of test solution

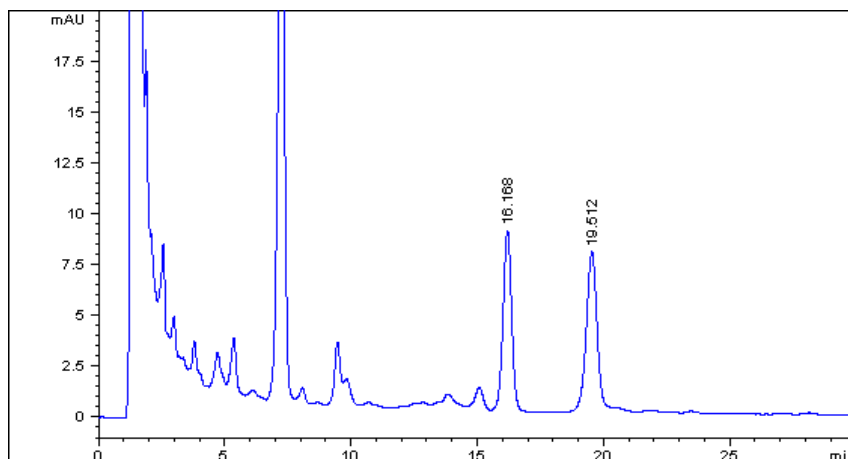
Grind a quantity of the pills to a fine powder, accurately weigh 2 g of the powder in a stoppered conical flask, accurately add 50 mL of methanol, stopper tightly and weigh, treat ultrasonically for 50 minutes, allow to cool, weigh again and replenish the lost weight with the same solvents, mix well and filter, 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-0.02mol/L dipotassium hydrogen phosphate (20:80)
- Detector wavelength: 247 nm
- Flow rate: 1.0 mL/min

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
sPsoralen	9.779	16.168	8.86	205.5	11823	0.98
Isopsoralen	12.008	19.512	7.79	225.1	11233	0.98