

# Wuji Baifeng Pills (*Wuji Baifeng Wan*) – 乌鸡白凤丸

## Sample source

Commercially available Wuji Baifeng Pills

## Chemical reference substances

paeoniflorin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 110736-200220)

## Preparation of test solution

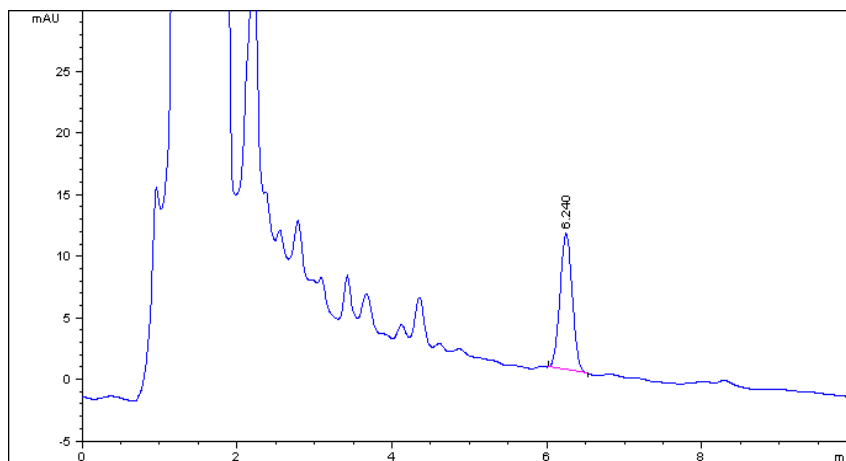
Grind the pills to a fine powder, accurately weigh 2 g, accurately add 10 mL of 30 % ethanol, weigh, shake at intervals, allow to stand for 24 hours, treat ultrasonically for 30 minutes, allow to cool, weigh again, replenish the lost weight with 30 % ethanol, mix well and filter. Accurately measure 5 mL of the filtrate, apply to the column (1.5 cm in internal diameter; 12 cm in height) packed with D 101 macroporous adsorptive resins. Elute with 100 mL of 30 % ethanol, collect the eluent, evaporate to dryness, dissolve the residue in several 5 mL portions of water, transfer to a 25 mL volumetric flask, wash the containers with methanol several times in the same volumetric flask, dilute with methanol to volume and mix well. Filter through a millipore membrane (0.45  $\mu\text{m}$ ), and use the filtrate as the test solution.

## Chromatographic conditions

- Column: ZORBAX SB C18 4.6 $\times$ 150 mm, 5  $\mu\text{m}$  (883975-902)
- Column temperature: 35  $^{\circ}\text{C}$
- Mobile phase: methanol-water (30:70)
- Detector wavelength: 230 nm
- Flow rate: 1.0 mL/min
- Injection volume: 5  $\mu\text{L}$

## 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 <sub>r</sub>
Paeoniflorin	4.200	6.240	11.11	122.2	7476	0.97